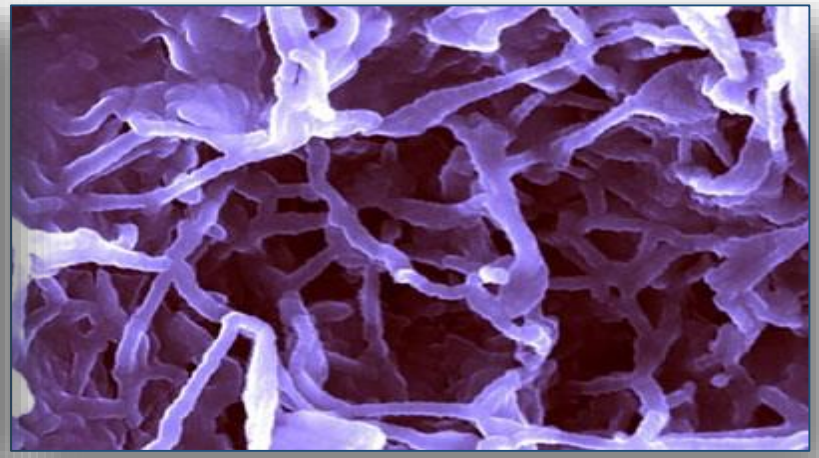
Skin Prep + Deeper Tan

Addresses Dry Skin from Sunless Tanners + Accelerates DHA Tanning



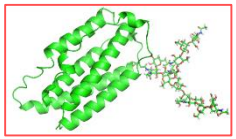
ACB Cationic Glycoprotein PF

Active Concepts

Tomorrow's vision… *Today*!®

ACB Cationic Glycoprotein PF





Technical Information

Product Code: 20391PF

INCI Name: Lactobacillus/ Eriodictyon Californicum Ferment Extract & Phospholipids

INCI Status: Conforms

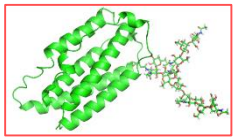
Suggested Use Level: 1.0 – 5.0%

Suggested Applications: Facilitates Tanning, Moisturization, (In Hair Care: Hydrates, Enhances Appearance of Hair, Anti-Chlorine Damage)

Active Concepts
Tomorrow's vision… *Today*!®

Skin Prep + Deeper Tan





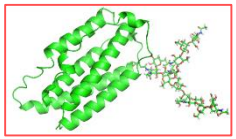
Problems:

- Consumer complaints regarding self tanning
- DHA products are slow to tan the skin
- Dry skin is often a result of self tanning
- Skin needs to act as a smooth canvas for evening tanning

Active Concepts
Tomorrow's vision… *Today*!®

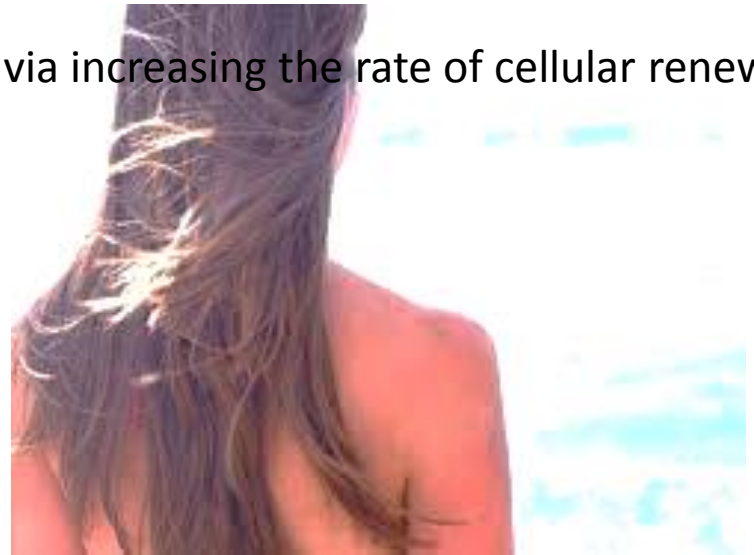
Skin Prep + Deeper Tan





Solutions:

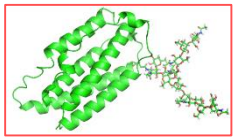
- Skin needs to be moisturized during tanning process
- Accelerate the speed of DHA reaction
- Faster tanning results
- Exfoliates via increasing the rate of cellular renewal



Active Concepts
Tomorrow's vision… *Today*!®

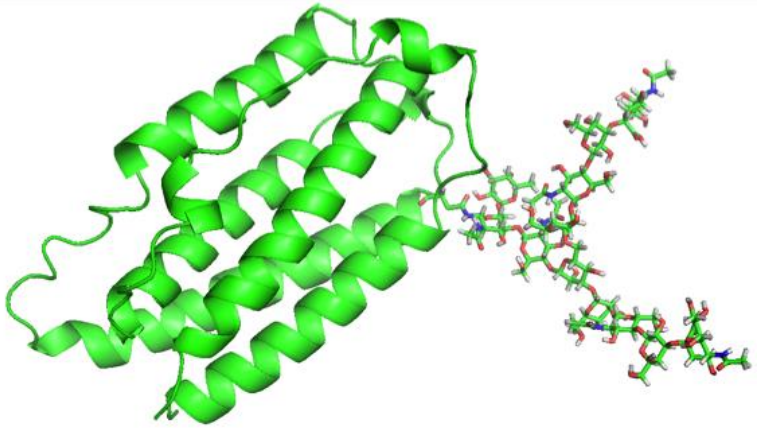
Skin Care Prep + Deeper Tan
ACB Cationic Glycoprotein PF





What are Glycoproteins?

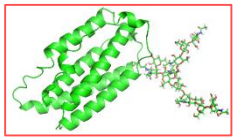
- Proteins covalently bonded to carbohydrates → typically simple sugars
- Role in animal and plant cellular functions:
  - ✓ Enhances solubility
  - ✓ Membrane orientation



Active Concepts
Tomorrow's vision… *Today*!®

Skin Care Prep + Deeper Tan
ACB Cationic Glycoprotein PF





What is ACB Cationic Glycoprotein PF?

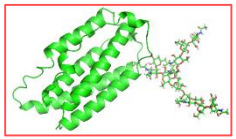
- Derived from Yerba Santa (*Eriodictyon californicum*)
  - ✓ This shrub is able to capture and retain moisture which allows it to thrive in its native arid environment

- Yerba Santa leaves are fermented with *Lactobacillus*
  - ✓ Allows for more efficient isolation of important glycoproteins
  - ✓ Lactic acid is used to produce yogurt and cheese, etc.
  - ✓ Fermentation with Lactic acid is a process in which a living cell is able to breakdown complex sugars into smaller molecules, such as proteins and glycoproteins, without the use of oxygen

Active Concepts®
Tomorrow's vision… *Today*!

Skin Care Prep + Deeper Tan
ACB Cationic Glycoprotein PF





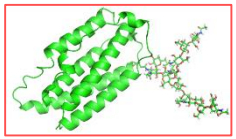
What is ACB Cationic Glycoprotein PF?

- Glycoproteins and phospholipids allow the body to readily absorb the moisture available from the Yerba Santa shrub
- Sugars are hydrophilic due to their –OH groups
- Phospholipids are cationic by nature
- Phospholipids are useful for molecular transportation of a material through fat-soluble membranes when hydrophilic molecules cannot easily penetrate by themselves

Active Concepts
Tomorrow's vision… *Today*!®

Skin Care Prep + Deeper Tan
ACB Cationic Glycoprotein PF





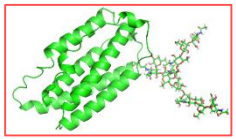
How it works?

- ACB Cationic Glycoprotein PF has an expanded molecular weight
- Run over of an ion exchange resin to isolate the proper cationic molecules
- Ion exchange helps in isolating desired ionic elements; waste products are easily filtered out; exceptionally high water recovery; more stable molecule as a result
- Cations enhance the tendency of other molecules to bind to the skin
  - Skin is naturally anionic

Active Concepts
Tomorrow's vision… *Today*!®

Skin Care Prep + Deeper Tan
ACB Cationic Glycoprotein PF





Uses in Skin Care

- Ionic and soluble properties ideal for accelerating reaction between DHA (dihydroxyacetone) solutions and the skin
- DHA is a 3-carbon sugar – used as a self-tanner when applied topically
- ACB Cationic Glycoprotein PF in conjunction with DHA produces more visible and faster tanning results

Active Concepts
Tomorrow's vision… *Today*!®

Skin Care Prep + Deeper Tan
ACB Cationic Glycoprotein PF

Difference in Tanning Effect

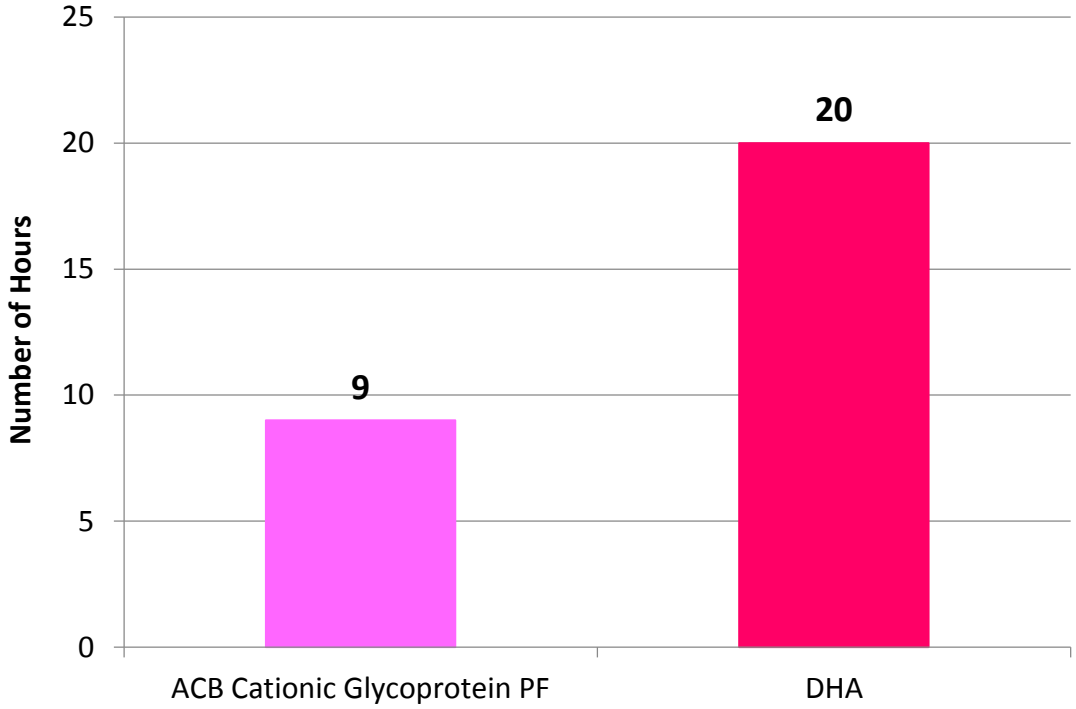


Figure 1. Difference in tanning effect using ACB Cationic Glycoprotein PF vs. DHA

Protocol

8 (m/f) volunteers between the ages of 23 – 64 participated. 2cm x 2xm square was drawn on the inside of both wrists

Site 1 was treated with 1 drop of a 5.0% solution of ACB Cationic Glycoprotein PF in water. Site 2 was not treated at this time

After 10 minutes both Site 1 and Site 2 were treated with 1 drop of a 6.0% solution of DHA in water. DHA was evenly distributed and dried naturally

Color differences between test sites were observed after 1, 9, and 24 hours for a quantitative analysis using color contrast software

Active Concepts
Tomorrow's vision… *Today*!®

Skin Care Prep + Deeper Tan
ACB Cationic Glycoprotein PF

Time for Maximum Tanning Effect

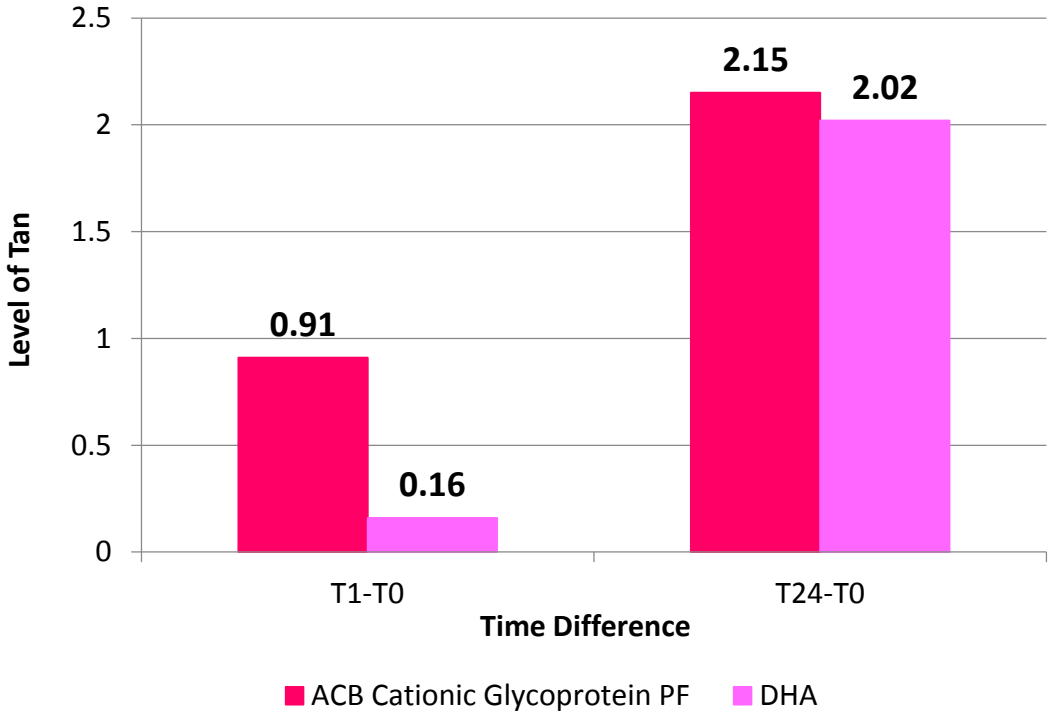


Figure 2. Time for maximum tanning effect using ACB Cationic Glycoprotein PF vs. DHA

Protocol

8 (m/f) volunteers between the ages of 23 – 64 participated. 2cm x 2xm square was drawn on the inside of both wrists

Site 1 was treated with 1 drop of a 5.0% solution of ACB Cationic Glycoprotein PF in water. Site 2 was not treated at this time

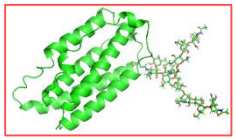
After 10 minutes both Site 1 and Site 2 were treated with 1 drop of a 6.0% solution of DHA in water. DHA was evenly distributed and dried naturally

Color differences between test sites were observed after 1, 9, and 24 hours for a quantitative analysis using color contrast software

Active Concepts
Tomorrow's vision… *Today*!®

ACB Cationic Glycoprotein PF





Technical Information

Product Code: 20391PF

INCI Name: Lactobacillus/ Eriodictyon Californicum Ferment Extract & Phospholipids

INCI Status: Conforms

Suggested Use Level: 1.0 – 5.0%

Suggested Applications: Facilitates Tanning, Moisturization, (In Hair Care: Hydrates, Enhances Appearance of Hair, Anti-Chlorine Damage)

Active Concepts
Tomorrow's vision… *Today*!®