9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SPRR1B Human

Small Proline-Rich Protein 1B Human Recombinant
RCP2229

Product Overview

Name	SPRR1B Human
Description	
Small Proline-Rich Protein 1B Human Recombinant	
Accession (Primary)	P22528
Synonyms	
Cornifin-B, 14.9 kDa pancornulin, Small proline-rich protein IB, SPR-IB, SPRR1B, SPRR1, GADD33, CORNIFIN.	
Introduction	
Small Proline-Rich Protein 1B (SPRR1B) is a keratinocyte protein which first appears in the cell cytosol, but eventually becomes cross-linked to membrane proteins by transglutaminase. SPRR1B is cross-linked to membrane proteins by transglutaminase leading to formation of an insoluble envelope. SPRR1B functions as both amine donor and acceptor in transglutaminase-mediated cross-linkage. SPRR1B is expressed in the course of differentiation in squamous tissues such as epidermis, esophagus, tongue or trachea.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
SPRR1B filtered (0.4 µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MKHHHHHHA S SQQQKQPCTP PPQLQQQQVK QPCQPPPQEP CIPKTKEPCH PKVPEPCHPK VPEPCQPKVP EPCHPKVPEP CPSIVTPAPA QQKTKQK.	
Solubility	

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It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. SPRR1B is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

SPRR1B Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P22528)