

## 32-4949: Recombinant Human Small Proline-Rich Protein 1B

**Alternative Name :** Cornifin-B,14.9 kDa pancornulin,Small proline-rich protein 1B,SPR-IB,SPRR1B,SPRR1,GADD33,CORNIFIN.

### Description

Source : Escherichia Coli. SPRR1B Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 2-89) containing 97 amino acids including a 9 a.a N-terminal His tag. The total molecular mass is 10.9kDa (calculated). 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.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	SPRR1B filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MKHHHHHHAS SQQQKQPCTP PPQLQQQVK QPCQPPPQEP CIPKTKEPCH PKVPEPCHPK VPEPCQPKVP EPCHPKVPEP CPSIVTPAPA QQKTKQK.

### Application Note

It is recommended to add 200µl 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.

