For Research Use Only

Recombinant Human SDC4 protein (rFc Tag)

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Catalog Number: Eg6782

Basic Information

Species: Human

Purity: >90 %, SDS-PAGE

Tag: rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human SDC4 protein Glu19-Glu145 (Accession# P31431-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
6385

Accession:
P31431-1

Predicted Molecular Mass:
39.9 kDa

SDS-PAGE:
46-50 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

SDC4, also known as syndecan 4, is a cell surface proteoglycan that bears heparan sulfate, which is involved in normal wound healing. It has been reported that SDC4 may be associated with keratinocyte proliferation and differentiation in the epidermis. SDC4 also plays a key role in angiogenesis and inflammation.

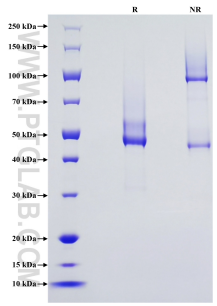
References

1.Carvallo, Loreto et al. The Journal of biological chemistry vol. 285,38 (2010): 29546-55.
2.Chen, Liang-Liang et al. Molecules and cells vol. 41,9 (2018): 853-867.
3.Cai, Peian et al. Journal of cellular physiology vol. 235,2 (2020): 1746-1758.

Synonyms

Amphiglycan, Ryudocan core protein, SYND4, syndecan 4, Syndecan-4

Selected Validation Data



Purity of Recombinant Human SDC4 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

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