

For Research Use Only

Recombinant Human Entactin protein (rFc Tag)



Catalog Number: Eg3912

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 Entactin protein Asp385-Asn670 (Accession# P14543-1) with a rabbit IgG Fc tag at the N-terminus

GeneID:

4811

Accession:

P14543-1

Predicted Molecular Mass:

58.8 kDa

SDS-PAGE:

55-65 kDa, reducing (R) condition

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°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C 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

Nidogen 1 (Entactin), first identified from a basement membrane-secreting cell line and the murine EHS tumor, is together with perlecan, laminin, and collagen IV, a ubiquitous component of basement membranes. Nidogen-1 is made by mesenchymal cells and is incorporated into the epithelial BM. It is a sulfated glycoprotein of 150 kDa with three globular domains, G1, G2 and G3, and contains binding sites for other ECM molecules.

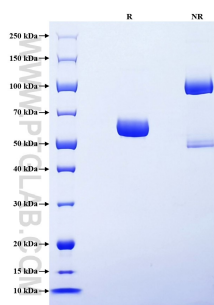
References

1. Murshed M, et al. (2000). Mol Cell Biol. Sep;20(18):7007-7012.
2. Pujuguet P, et al. (2000). J Cell Sci. Mar;113 (Pt 5)(Pt 5):849-858.
3. Vasudevan A, et al. (2010). Hippocampus. May;20(5):608-20.

Synonyms

NID1, NID, NID 1, NID-1, nidogen 1

Selected Validation Data



Purity of Recombinant Human Entactin 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.

For technical support and original validation data for this product please contact

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