

RP00642

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Recombinant Human Nectin-4/PVRL4 Protein

Catalog No.: RP00642

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 Cells	81607	Q96NY8-1

Tags

C-His

Synonyms

NECTIN4; LNIR; PRR4;
PVRL4 , Nectin-4 , Processed
poliovirus receptor-related protein 4

Product Information

Source Purification

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.	≥ 95 % as determined by SDS-PAGE.
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Endotoxin

< 0.01 EU per µg of the protein as determined by the LAL method.

Formulation

Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).

Reconstitution

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Background

Nectin-4 (PVRL4) is a type I transmembrane glycoprotein which belongs to the nectin family of Ig superfamily proteins. It contains two Ig-like C2-type domains and one Ig-like V-type domain. PVRL4 seems to be involved in cell adhesion through trans-homophilic and -heterophilic interactions, the latter including specifically interactions with nectin-1. It does not act as receptor for alpha-herpesvirus entry into cells. It is predominantly expressed in placenta, the embryo and breast carcinoma. But it is not detected in normal breast epithelium. The soluble form is produced by proteolytic cleavage at the cell surface (shedding), probably by ADAM17. Mutations in this gene are the cause of ectodermal dysplasia-syndactyly syndrome type 1, an autosomal recessive disorder.

Basic Information

Description

Recombinant Human Nectin-4/PVRL4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ser349) of Human Nectin-4/PVRL4 (Accession #NP_112178.2) fused with His tag at the C-terminus.

Bio-Activity

Measured by the ability of the immobilized protein to support the adhesion of NIH 3T3 mouse embryonic fibroblast cells. When 5 x 10⁴ cells/well are added to recombinant human Nectin-4 coated plates (10 µg/mL with 100 µL/well), approximately >45% will adhere after 1 hour incubation at 37 °C.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

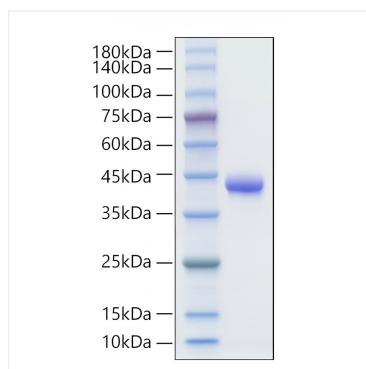
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Contact



www.abclonal.com

Validation Data



Recombinant Human
Nectin-4/PVRL4 Protein was
determined by SDS-PAGE under
reducing conditions with Coomassie
Blue.