Recombinant Human Nectin-4/PVRL4 Protein

Catalog No.: RP00642

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Sequence Information

Species
Human

Gene ID
81607

Swiss Prot
Q96NY8-1

Tags
C-His

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

Product Information

Source
HEK293 Cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
32.94 kDa

Observed MW
35-45kDa

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
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Nectin-4 (PVRL4) is a type I transmembrane glycoprotein which belongs to the nectin family of Ig superfamilyproteins. It contains two Ig-like C2-type domains and one Ig-like V-type domain. PVRL4 seems to be involved incell adhesion through trans-homophilic and -heterophilic interactions, the latter including specificallyinteractions with nectin-1. It does not act as receptor for alpha-herpesvirus entry into cells. It is predominantlyexpressed 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 autosomalrecessive 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.

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 ℃.

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.

Storage
Store at -20℃

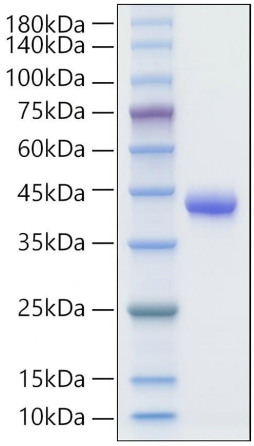
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



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