Biotinylated Recombinant Human Nectin-1/PVRL1 /CD111 Protein

Catalog No.: RP00386B

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Sequence Information

Species
Human

Gene ID
5818

Swiss Prot
Q15223-1

Tags
C-His&Avi

Synonyms
CD111; ED4; HIgRPVRR; HVEC; MGC142031; Nectin1; PRR; PRR1; PRR1MGC16207; PVRL1; PVRR1; SK-12; PVRL1; CLPED1; HIgR; OFC7; PVRR

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW
36.9 kDa

Observed MW
52-70 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

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

Nectins are a small family of Ca -independent immunoglobulin (Ig)-like cell adhesion molecules (CAMs) that organize intercellular junctions. They are highly homologous to the human receptor for poliovirus, and as such have been alternately named poliovirus receptor-related proteins.Nectin-1 promotes cell-cell contacts by forming homophilic or heterophilic trans-dimers. Heterophilic interactions have been detected between Nectin-1 and Nectin-3 and between Nectin-1 and Nectin-4. Has some neurite outgrowth-promoting activity.

Basic Information

Description
Biotinylated Recombinant Human Nectin-1/PVRL1/CD111 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln31-Thr334) of Human Nectin-1/PVRL1/CD111 (Accession #Q15223-1) fused with a C-His&Avi tag at the C-terminus.

Activity

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℃

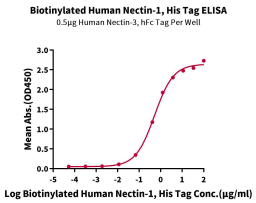
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

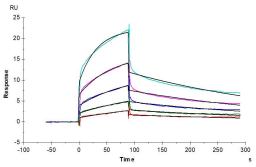
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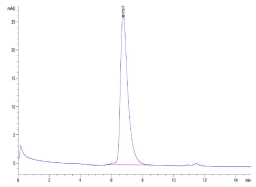
Validation Data



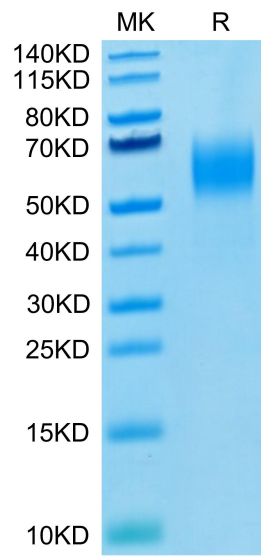
Immobilized Human Nectin-3, hFc Tag at 5 μg/mL (100 μL/well) on the plate. Dose response curve for Biotinylated Human Nectin-1, His Tag with the EC_{50} of 0.52 μg /mL determined by ELISA (QC Test).



Human Nectin-4, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human Nectin-1, His-Avi Tag with an affinity constant of 22.83 nM as determined in SPR assay (Biacore T200).



The purity of Biotinylated Human Nectin-1 is greater than 95% as determined by SEC-HPLC.



Biotinylated Recombinant Human Nectin-1/PVRL1/CD111 Protein was determined by Tris-Bis PAGE under reducing conditions.