

Recombinant Human PVRL2/Nectin-2/CD112 (C-6His-Avi) Biotinylated

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by Elabscience

Catalog Number:PKSH034032

Note: Centrifuge before opening to ensure complete recovery of vial contents.

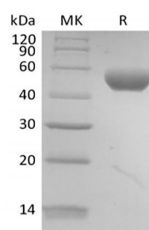
Description

Synonyms	Poliovirus Receptor-Related Protein 2;Herpes Virus Entry Mediator B;Herpesvirus Entry Mediator B;HveB;Nectin-2;CD112;PVRL2;HVEB;PRR2
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln32-Leu360
Accession	Q92692-2
Calculated Molecular Weight	38.4 kDa
Observed molecular weight	45-60 kDa
Tag	C-His-Avi
Bioactivity	Immobilized Human PVRIG-mFc at 10µg/ml (100 µl/well) can bind Biotinylated Human Nectin-2-His-Avi. The ED50 of Biotinylated Human Nectin-2-His-Avi is 0.42 ug/ml.

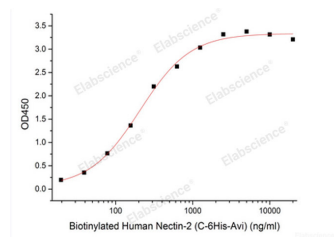
Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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Background

CD112 is a type I transmembrane glycoprotein belonging to the Immunoglobulin superfamily. It comprises one Ig-like V-

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type domain and two Ig-like C2-type domains in the extracellular region. The V domain is believed to mediate nectin binding to its ligands. Nectin2 is known to bind the pseudorabies virus, and herpes simplex virus2 (HSV2), involving in cell to cell spreading of these viruses. It does not bind poliovirus. As a homophilic adhesion molecule, CD112 is found concentrated in adherens junctions, and exists on neurons, endothelial cells, epithelial cells and fibroblasts. CD112 has been identified as the ligand for DNAM-1 (CD226), and the interaction of CD226/CD112 mediates cytotoxicity and cytokine secretion by T and NK cells. The costimulatory responses may be a critical component in allergic reactions and may therefore become targets for anti-allergic therapy.

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