

Datasheet for ABIN7317742
nectin-3 Protein (His tag)



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Overview

Quantity:	100 µg
Target:	nectin-3 (NECTIN3)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This nectin-3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Nectin-3/PVRL3 Protein (His Tag)(Active)
Sequence:	Met 1-Asp 400
Characteristics:	A DNA sequence encoding the extracellular domain of human PVRL3 (NP_056295.1) (Met 1-Asp 400) was expressed, with a polyhistidine tag at the C-terminus.
Purity:	> 98 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized recombinant human PVRL3 at 1 µg/ml (100 µl/well) can bind biotinylated Nectin-1 with a linear range of 6.4-800 ng/ml.2. Immobilized recombinant human PVRL3 at 1 µg/ml (100 µl/well) can bind Nectin-1/ Fc chimera with a linear range of 0.156-5 ng/ml.

Target Details

Target: nectin-3 (NECTIN3)

Alternative Name: Nectin-3/PVRL3 ([NECTIN3 Products](#))

Background: Poliovirus receptor-related 3 (PVRL3), also known as Nectin-3 and CD113, is a member of the nectin family. PVRL3/Nectin-3 is an 83 kDa, type I transmembrane glycoprotein. Its precursor is 549 amino acids (aa) in length and contains an extended signal sequence of 57 aa, an extracellular domain (ECD) of 347 aa, a transmembrane segment of 21 aa, and a cytoplasmic region of 124 aa. Nectin-3 has three splicing variants, nectin-3alpha (biggest), -3beta (middle), and -3gamma (smallest). It is predominantly expressed in testis and placenta as well as in various cell lines, including epithelial cell lines. PVRL3/Nectin-3 plays a role in cell-cell adhesion through heterophilic trans-interactions with nectin-like proteins or nectins, such as trans-interaction with PVRL2/Nectin-2 at Sertoli-spermatid junctions. PVRL3/Nectin-3 is thus involved in the formation of cell-cell junctions, including adherens junctions and synapses. It has been shown to induce endocytosis-mediated down-regulation of PVR from the cell surface, resulting in reduction of cell movement and proliferation.

Synonym: Poliovirus Receptor-Related Protein 3, CDw113, Nectin-3, CD113, PVRL3, PRR3,PVRR3

Molecular Weight: 39.3 kDa

NCBI Accession: [NP_056295](#)

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: 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.