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Datasheet for ABIN7318917 PVRL1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	PVRL1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PVRL1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD111/Nectin-1 Protein (His Tag)
Sequence:	Gln31-Thr334
Characteristics:	Recombinant Human Poliovirus Receptor-Related Protein 1 is produced by our Mammalian expression system and the target gene encoding Gln31-Thr334 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PVRL1
Alternative Name:	CD111/Nectin-1 (PVRL1 Products)
Background:	Background: Nectin-1 is a type I transmembrane glycoprotein belonging to the Ig superfamily. Nectin-1 promotes cell-cell contacts by forming homophilic or heterophilic trans-dimers.

Target Details

Heterophilic interactions have been detected between Nectin-1 and Nectin-3 and between Nectin-1 and Nectin-4. Nectin ECDs contain three Ig like domains: an N terminal V type that mediates ligand binding, and two C2 type. Nectin-1 binds viral Glycoprotein D to mediate Herpesvirus (but not Poxvirus) entry into vaginal mucosa, sensory neurons and fibroblasts. In forming adherens junctions and synapses, Nectin-1 and Nectin-3 initiate cell-cell interactions, recruiting $\alpha\beta3$ integrin extracellularly and cadherins intracellularly through afadin and other junctional proteins. These interactions organize the cytoskeleton, strengthen attachment to basement membrane and promote further cell-cell connections. Nectin-1 and Nectin-3 have been found to localize assymmetrically along the chemical synapse, with Nectin-1 primarily on the axonal side and Nectin-3 on the dendritic side. Deficiency of Nectin-1 can result in cleft lip/palate ectodermal dysplasia. Nectin-1 downregulation in epithelial cancers is mediated in part by ectodomain shedding, but it may contribute to invasiveness.

Synonym: Poliovirus Receptor-Related Protein 1, Herpes Virus Entry Mediator C, Herpesvirus Entry Mediator C, HveC, Herpesvirus Ig-Like Receptor, HIgR, Nectin-1, CD111, PVRL1, HVEC, PRR1,ED4,HIgR,HV1S,HVEC,nectin-1,OFC7,PRR,PVRR,PVRR1,SK-12

Molecular Weight: 35.0 kDa

UniProt: [Q15223](#)

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 a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

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.