antibodies

Datasheet for ABIN1097203 PVRL1 Protein (AA 31-334) (His tag)



Overview	
Quantity:	50 µg
Target:	PVRL1
Protein Characteristics:	AA 31-334
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PVRL1 protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human Poliovirus Receptor-Related Protein 1/PVRL1 (C-6His)
Sequence:	QVVQVNDSMY GFIGTDVVLH CSFANPLPSV KITQVTWQKS TNGSKQNVAI YNPSMGVSVL APYRERVEFL RPSFTDGTIR LSRLELEDEG VYICEFATFP TGNRESQLNL TVMAKPTNWI EGTQAVLRAK KGQDDKVLVA TCTSANGKPP SVVSWETRLK GEAEYQEIRN PNGTVTVISR YRLVPSREAH QQSLACIVNY HMDRFKESLT LNVQYEPEVT IEGFDGNWYL QRMDVKLTCK ADANPPATEY HWTTLNGSLP KGVEAQNRTL FFKGPINYSL AGTYICEATN PIGTRSGQVE VNITVDHHHH HH
Characteristics:	Recombinant Human Poliovirus Receptor-Related Protein 1/PVRL1 is produced with our

mammalian expression system in human cells. The target protein is expressed with sequence
(Gln31-Thr334) of Human PVRL1 fused with a polyhistidine tag at the C-terminus.Purity:> 95 % as determined by reducing SDS-PAGE.Sterility:0.2 µm filtered

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Product Details

Endotoxin Level:

Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PVRL1
Alternative Name:	nectin-1 (PVRL1 Products)
Sub Type:	Fusionprotein
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. 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 ligan
	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
	alphavbeta3 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 assymetrically 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.
	Alternative Names: 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
Molecular Weight:	34.99 kDa
UniProt:	Q15223
Pathways:	Cell-Cell Junction Organization
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized

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Handling

Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months