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Datasheet for ABIN7275307

PVRL1 Protein (AA 31-334) (His-Avi Tag)

4 Images

Overview

Quantity:	100 µg
Target:	PVRL1
Protein Characteristics:	AA 31-334
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PVRL1 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human Nectin-1/PVRL1/CD111 Protein
Sequence:	Gln31-Thr334
Characteristics:	Recombinant Human Nectin-1/PVRL1/CD111 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Gln31-Thr334.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 0.17µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

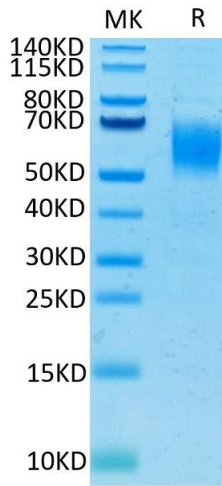
Target:	PVRL1
Alternative Name:	Nectin-1 (PVRL1 Products)
Background:	Nectins are a small family of Ca ²⁺ -independent immunoglobulin (Ig)-like cell adhesion molecules (CAMs) that organize intercellular junctions. They are highly homologous to the human receptor for poliovirus, and as such have been 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.
Molecular Weight:	36.9 kDa. Due to glycosylation, the protein migrates to 52-70 kDa based on Tris-Bis PAGE result.
UniProt:	Q15223
Pathways:	Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only
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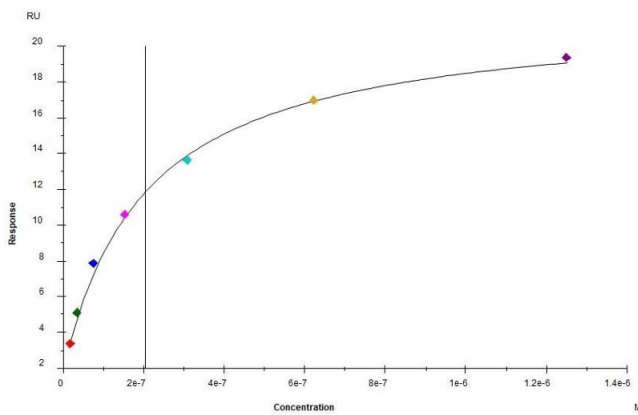
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



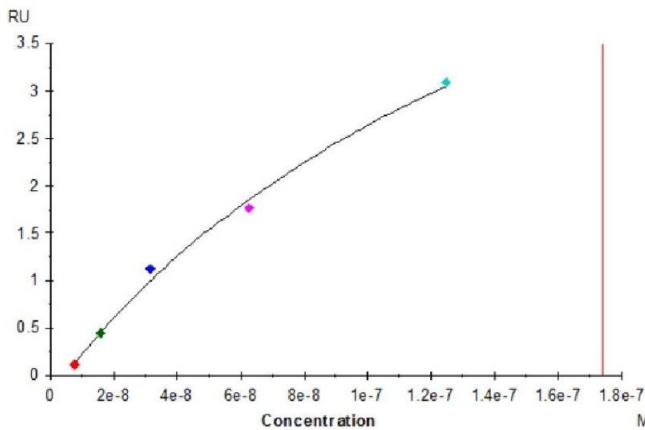
SDS-PAGE

Image 1. Human Nectin-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Surface Plasmon Resonance

Image 2. Human Nectin-3, His Tag immobilized on CM5 Chip can bind Human Nectin-1, His Tag with an affinity constant of 0.204 μ M as determined in SPR assay (Biacore T200).



Surface Plasmon Resonance

Image 3. Human Nectin-4, hFc Tag captured on Protein A chip, can bind Human Nectin-1, His Tag with an affinity constant of 0.17 μ M as determined in a SPR assay (Biacore T200).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275307.