



[Go to Product page](#)

Datasheet for ABIN7275313

PVRL4 Protein (AA 32-351) (His-Avi Tag)

3 Images

Overview

Quantity:	100 µg
Target:	PVRL4
Protein Characteristics:	AA 32-351
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PVRL4 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human Nectin-4 Protein
Sequence:	Gly32-Val351
Characteristics:	Recombinant Human Nectin-4 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Gly32-Val351.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by SEC-HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Nectin-4 at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-Nectin4 Antibody, hFc Tag with the EC50 of 5.0ng/ml determined by ELISA. See testing image for detail.

Target Details

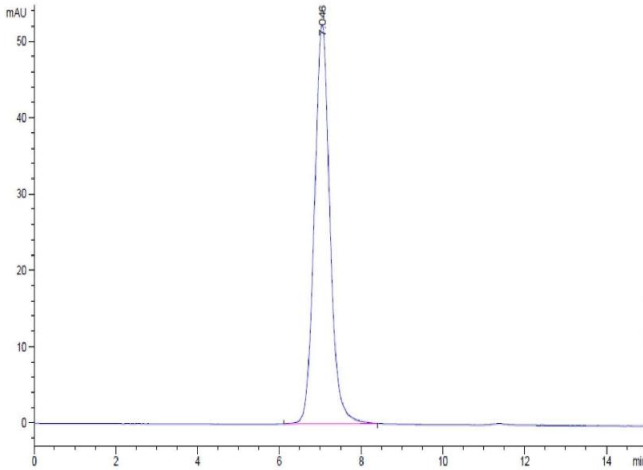
Target:	PVRL4
Alternative Name:	Nectin-4 (PVRL4 Products)
Background:	Nectin-4 seems to be involved in cell adhesion through trans-homophilic and -heterophilic interactions, the latter including specifically interactions with NECTIN1. Does not act as receptor for alpha-herpesvirus entry into cells.(Microbial infection) Acts as a receptor for measles virus.
Molecular Weight:	37.2 kDa. Due to glycosylation, the protein migrates to 46-48 kDa based on Tris-Bis PAGE result.
UniProt:	Q96NY8
Pathways:	Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only
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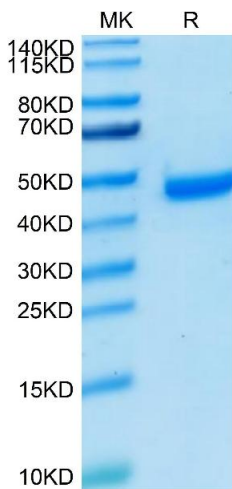
Handling

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



Size-exclusion chromatography-High Pressure Liquid Chromatography

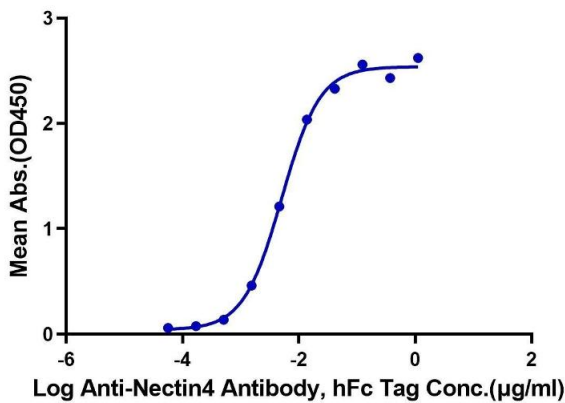
Image 1. The purity of Human Nectin-4 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human Nectin-4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Human Nectin-4, His Tag ELISA
0.05µg Human Nectin-4, His Tag Per Well



ELISA

Image 3. Immobilized Human Nectin-4 at 0.5 µg/mL (100 µ L/well) on the plate. Dose response curve for Anti-Nectin4 Antibody, hFc Tag with the EC50 of 5.0 ng/mL determined by ELISA.