

Datasheet for ABIN7275312

nectin-3 Protein (AA 58-400) (His-Avi Tag,Biotin)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	nectin-3 (NECTIN3)
Protein Characteristics:	AA 58-400
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This nectin-3 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human Nectin-3/CD113 Protein
Sequence:	Gly58-Asp400
Characteristics:	Recombinant Biotinylated Human Nectin-3/CD113 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Gly58-Asp400.
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 0.13 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

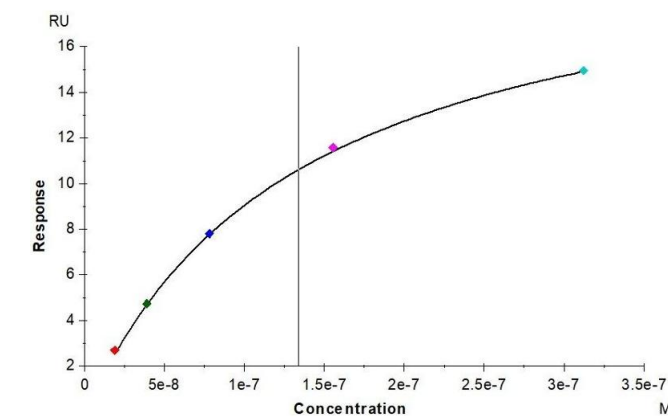
Target:	nectin-3 (NECTIN3)
Alternative Name:	Nectin-3 (NECTIN3 Products)
Background:	<p>The Nectin family has at least four members (Nectin-1-4), all of which show alternate splicing, a transmembrane (TM) region (except for Nectin-1 gamma), and three extracellular Ig-domains. Nectins are highly homologous to the human receptor for poliovirus, and as such, have been alternatively-named poliovirus receptor-related proteins. They do not, however, appear to bind poliovirus. Nectin-3 (also named PRR3, CD113, and PVRL3) is an 83 kDa, type I TM glycoprotein.</p>
Molecular Weight:	40.6 kDa. Due to glycosylation, the protein migrates to 68-82 kDa based on Tris-Bis PAGE result.
Pathways:	Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

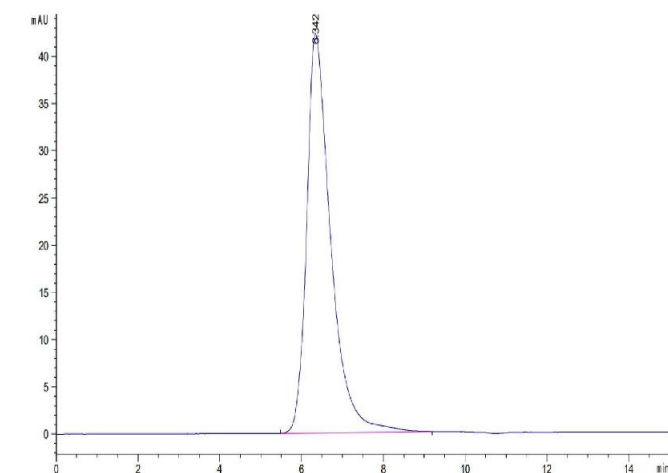
Handling

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 20 mM PB, 250 mM NaCl (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



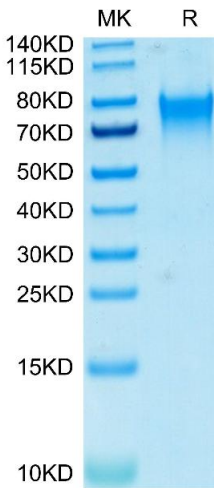
Surface Plasmon Resonance

Image 1. Biotinylated Human Nectin-3, His Tag immobilized on CM5 Chip can bind Human Nectin-1, His Tag with an affinity constant of 0.13 μ M as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human Nectin-3 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Human Nectin-3 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .