

Datasheet for ABIN7275311
nectin-3 Protein (AA 58-400) (His-Avi Tag)[Go to Product page](#)

4 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.

Product Details

Purpose:	Human Nectin-3/CD113 Protein
Sequence:	Gly58-Asp400
Characteristics:	Recombinant 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 44µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

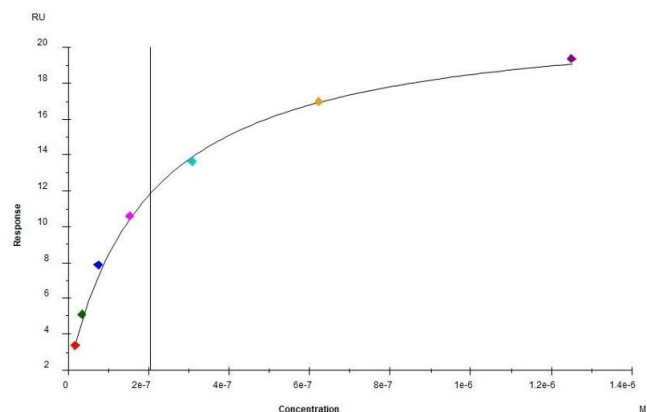
Target:	nectin-3 (NECTIN3)
Alternative Name:	Nectin-3 (NECTIN3 Products)
Background:	<p>The Nectin family has at least four members (Nectin-1-4), all of which show alternate splicing, a transmembrane (TM) region (except for Nectin-1 gamma), and three extracellular Ig-domains. Nectins are highly homologous 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. Its precursor is 549 amino acids (aa) in length. It contains an extended signal sequence of 57 aa, an extracellular domain (ECD) of 347 aa, a transmembrane segment of 21 aa (aa 405-425), and a cytoplasmic region of 124 amino acids.</p>
Molecular Weight:	40.6 kDa. Due to glycosylation, the protein migrates to 68-82 kDa based on Tris-Bis PAGE result.
UniProt:	Q9NQS3
Pathways:	Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only
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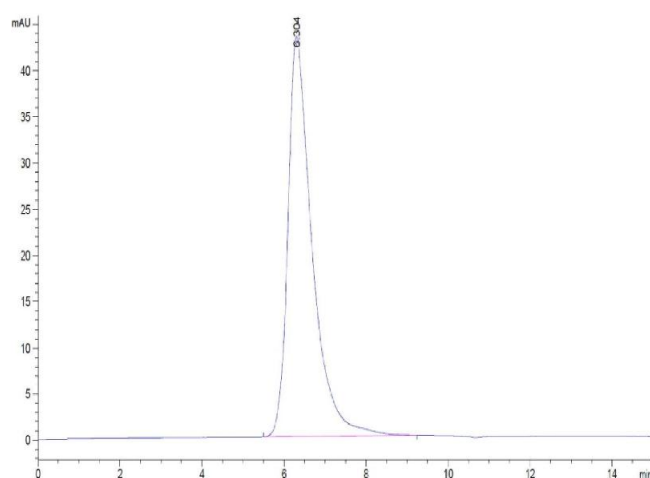
Handling

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 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



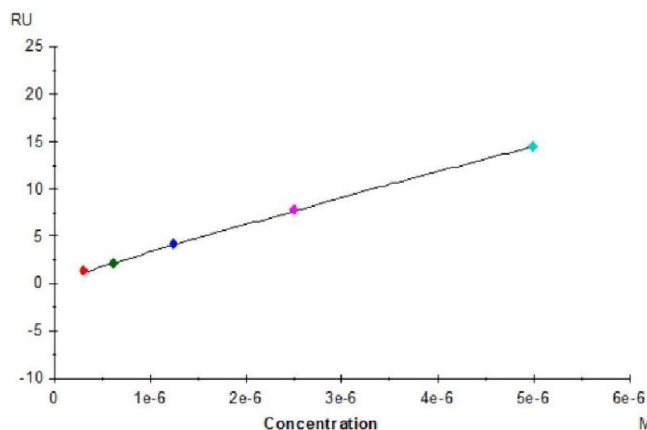
Surface Plasmon Resonance

Image 1. 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).



Size-exclusion chromatography-High Pressure Liquid Chromatography

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



Surface Plasmon Resonance

Image 3. Human TIGIT captured on Protein A chip, can bind Human Nectin-3, His Tag with an affinity constant of 44 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 ABIN7275311.