

# Biotinylated Human Nectin-4 Protein IgV Domain

Cat. No. NEC-HM414B

## Description

<b>Source</b>	Recombinant Biotinylated Human Nectin-4 Protein IgV Domain is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gly32-Leu146.
<b>Accession</b>	Q96NY8-1
<b>Molecular Weight</b>	The protein has a predicted MW of 15.8 kDa. Due to glycosylation, the protein migrates to 16-20 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

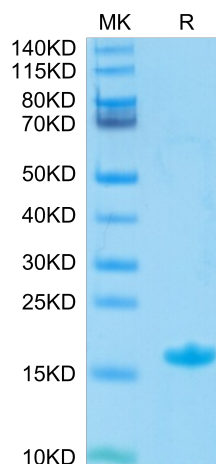
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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.

## 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.

## Assay Data

### Tris-Bis PAGE



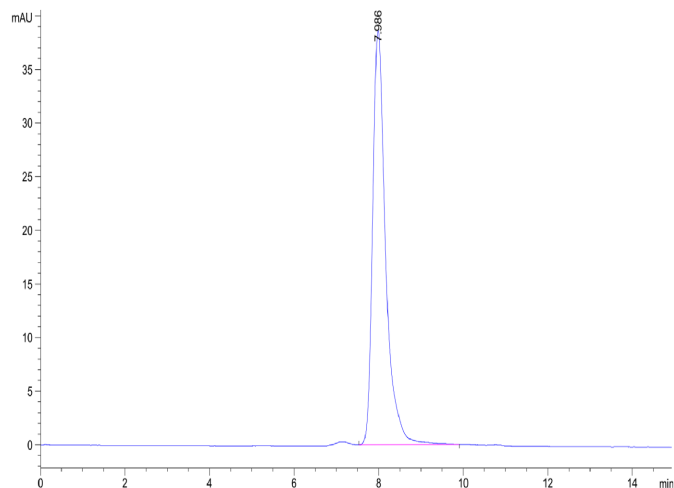
Biotinylated Human Nectin-4 IgV Domain on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

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## Assay Data

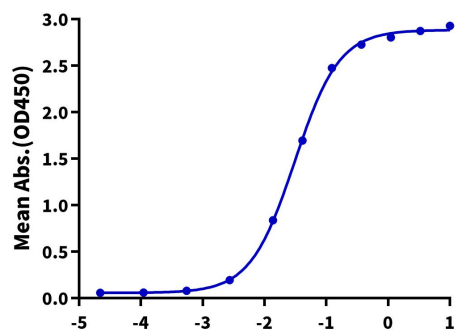


The purity of Biotinylated Human Nectin-4 IgV Domain is greater than 95% as determined by SEC-HPLC.

## ELISA Data

### Biotinylated Human Nectin-4 IgV Domain, His Tag ELISA

0.2 $\mu$ g Anti-Nectin-4 Antibody, hFc Tag Per Well



Immobilized Anti-Nectin-4 Antibody, hFc Tag at 2 $\mu$ g/ml (100 $\mu$ l/well) on the plate. Dose response curve for Biotinylated Human Nectin-4 IgV Domain, His Tag with the EC<sub>50</sub> of 30.9ng/ml determined by ELISA.