



## Synonym

NECTIN4, LNIR, PRR4, PVRL4

## Source

Biotinylated Human Nectin-4, His,Avitag(NE4-H82E7) is expressed from human 293 cells (HEK293). It contains AA Gly 32 - Ser 349 (Accession # [Q96NY8-1](#)).

Predicted N-terminus: Gly 32

## Molecular Characterization

Nectin-4(Gly 32 - Ser 349)  
Q96NY8-1      Poly-his      Avi

This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 37.8 kDa. The protein migrates as 40-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Labeling

*Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.*

## Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

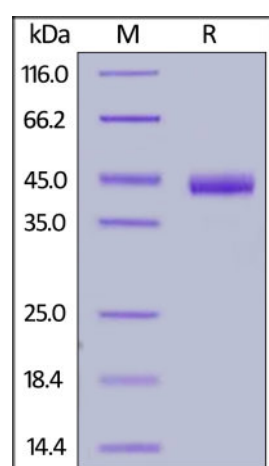
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

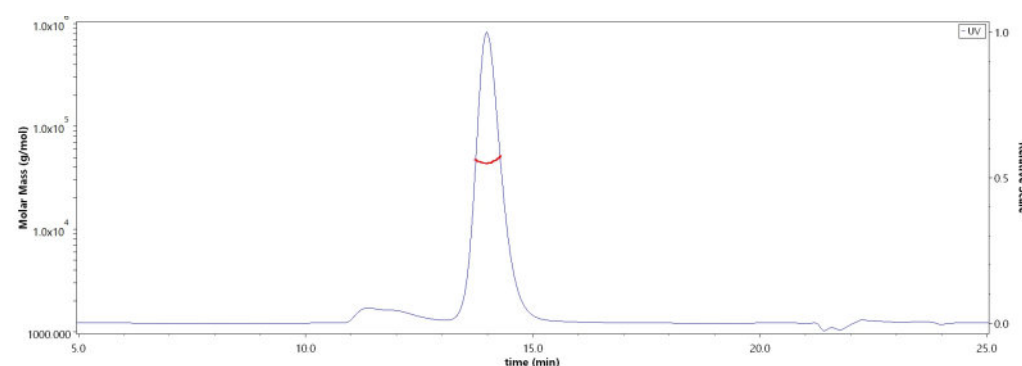
## SDS-PAGE



Biotinylated Human Nectin-4, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

## Bioactivity-ELISA

## SEC-MALS



The purity of Biotinylated Human Nectin-4, His,Avitag (Cat. No. NE4-H82E7) is more than 90% and the molecular weight of this protein is around 38-56 kDa verified by SEC-MALS.

[Report](#)

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and more!

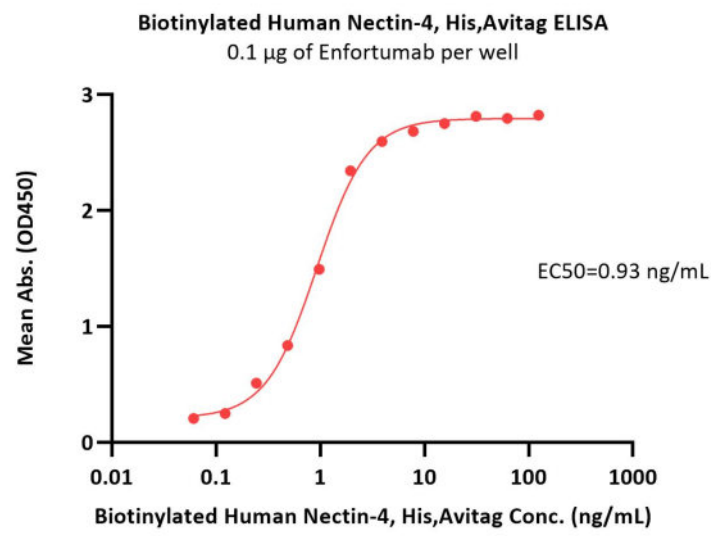


# Biotinylated Human Nectin-4 Protein, His,Avitag™ (MALS verified)

Catalog # NE4-H82E7



BIOSYSTEMS  
**Acro**



Immobilized Enfortumab at 1 µg/mL (100 µL/well) can bind Biotinylated Human Nectin-4, His,Avitag (Cat. No. NE4-H82E7) with a linear range of 0.06-2 ng/mL (QC tested).

## Background

Nectin-4 (gene name PVRL4, poliovirus receptor-like 4) is a 66 kDa type I transmembrane glycoprotein belonging to the Nectin family of Ig superfamily proteins. Nectins are cell adhesion molecules that play a key role in various biological processes such as polarity, proliferation, differentiation and migration, for epithelial, endothelial, immune and neuronal cells, during development and adult life. Nectin-4 is a tumor-associated antigen in 50%, 49% and 86% of breast, ovarian and lung carcinomas, respectively, mostly on tumors of bad prognosis. Its expression is not detected in the corresponding normal tissues.

## Clinical and Translational Updates

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10/25/2024