

# Mouse Nectin-4 Protein, His Tag, low endotoxin (MALS verified)

Catalog # NE4-M52Ha



BIOSYSTEMS  
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## Synonym

NECTIN4, LNIR, PRR4, PVRL4

## Source

Mouse Nectin-4, His Tag(NE4-M52Ha) is expressed from human 293 cells (HEK293). It contains AA Gly 31 - Ser 347 (Accession # [Q8R007-1](#)).

Predicted N-terminus: Gly 31

## Molecular Characterization

Nectin-4(Gly 31 - Ser 347)  
Q8R007-1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 36.2 kDa. The protein migrates as 38-43 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 0.1 EU per  $\mu\text{g}$  by the LAL method.

## Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

## Formulation

Lyophilized from 0.22  $\mu\text{m}$  filtered solution in PBS, Arginine, 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

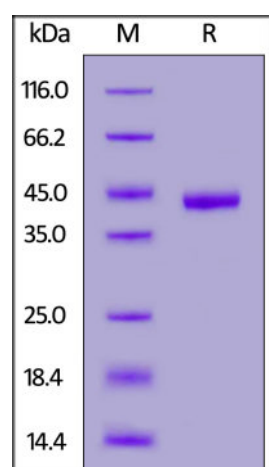
For long term storage, the product should be stored at lyophilized state at  $-20^{\circ}\text{C}$  or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$  for 12 months in lyophilized state;
- $-70^{\circ}\text{C}$  for 3 months under sterile conditions after reconstitution.

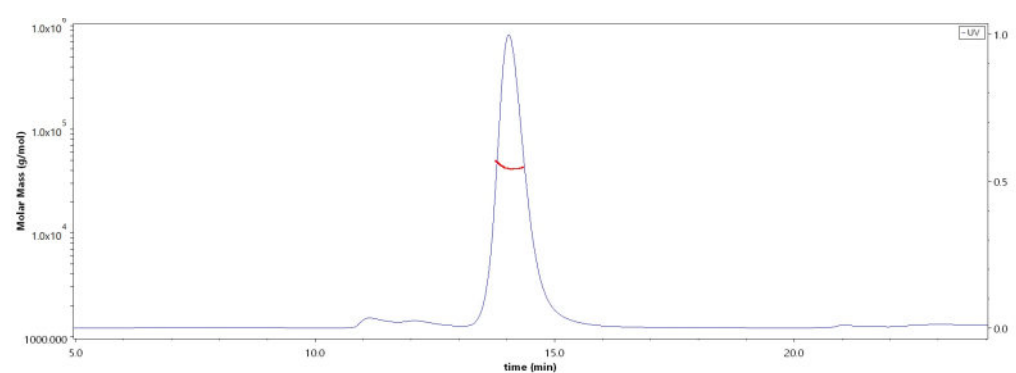
## SDS-PAGE



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

## Bioactivity-BLI

## SEC-MALS



The purity of Mouse Nectin-4, His Tag (Cat. No. NE4-M52Ha) is more than 90% and the molecular weight of this protein is around 35-55 kDa verified by SEC-MALS.

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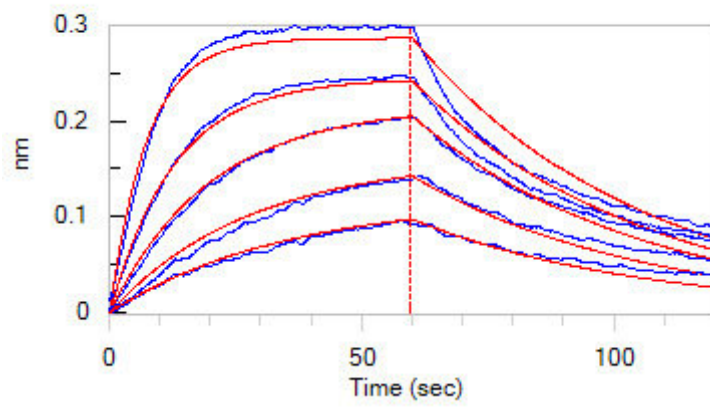
9/19/2024

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Loaded Mouse Nectin-4, His Tag (Cat. No. NE4-M52Ha) on NTA Biosensor, can bind Human Nectin-1, Fc Tag (Cat. No. PV1-H5253) with an affinity constant of 48.8 nM as determined in BLI assay (ForteBio Octet Red96e) (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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