

# Human Nectin-4 (32-153) Protein, His Tag (MALS verified)

Catalog # NE4-H5243



BIOSYSTEMS  
**Acro**

## Synonym

NECTIN4, LNIR, PRR4, PVRL4

## Source

Human Nectin-4 (32-153) Protein, His Tag (NE4-H5243) is expressed from human 293 cells (HEK293). It contains AA Gly 32 - Leu 153 (Accession # [Q96NY8-1](#)).

Predicted N-terminus: His

## Molecular Characterization

|          |                                        |
|----------|----------------------------------------|
| Poly-his | Nectin-4(Gly 32 - Leu 153)<br>Q96NY8-1 |
|----------|----------------------------------------|

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

The protein has a calculated MW of 15.1 kDa. The protein migrates as 15-16 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

## Purity

>90% 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.**

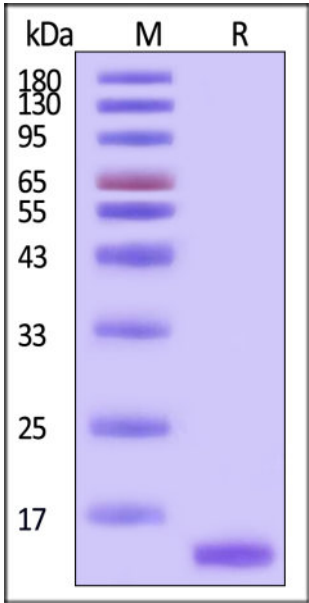
This product is stable after storage at:

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

## ACRO Quality Management System

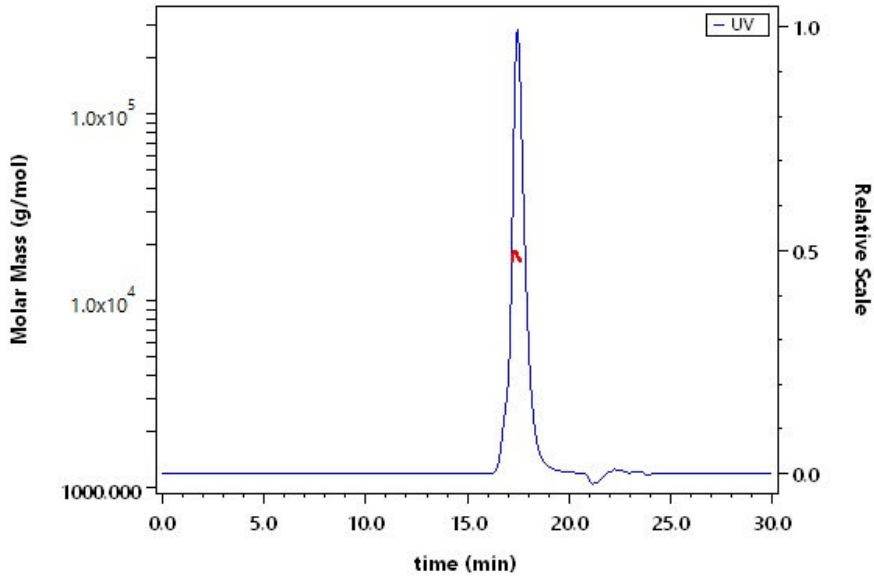
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



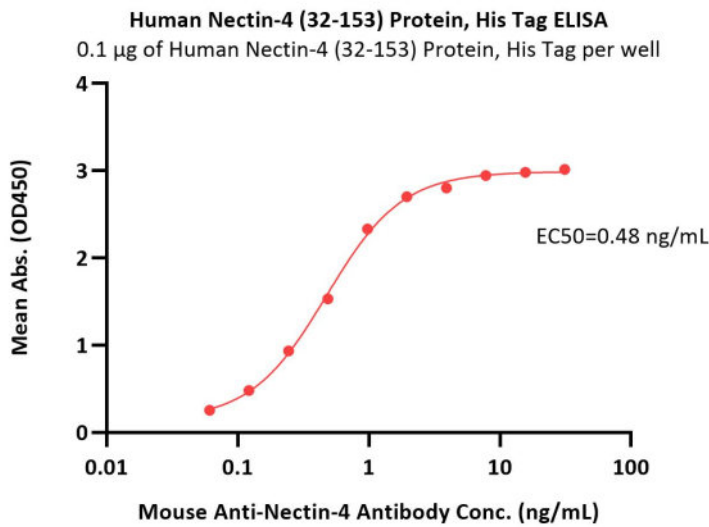
Human Nectin-4 (32-153) Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Human Nectin-4 (32-153) Protein, His Tag (Cat. No. NE4-H5243) is more than 90% and the molecular weight of this protein is around 15-20 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Human Nectin-4 (32-153) Protein, His Tag (Cat. No. NE4-H5243) at 1 µg/mL (100 µL/well) can bind Mouse Anti-Nectin-4 Antibody with a linear range of 0.06-1 ng/mL (QC tested).

Background

Nectin-4(Nectin cell adhesion molecule 4) is a Nectin and nectin-like family of cell adhesion molecules. It is found in high levels in normal embryonic and fetal tissues, but decreases after adulthood and is limited in distribution in healthy tissues. Nectin-4 is overexpressed in a variety of tumor cells and promotes tumor cell growth and proliferation. Solid tumors with high expression of Nectin-4 include bladder cancer, pancreatic cancer, triple negative breast cancer, non-small cell lung cancer, stomach cancer, esophageal cancer, ovarian cancer and many other cancers. Studies have found that Nectin-4 promotes tumor cell proliferation, differentiation, migration and invasion by activating the PI3K/Akt pathway, and is believed to play an important role in the occurrence and metastasis of cancer. It is based on these research backgrounds that drug research targeting this target has emerged.



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