

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

Catalog # NE4-H52E3



BIOSYSTEMS  
**Acro**

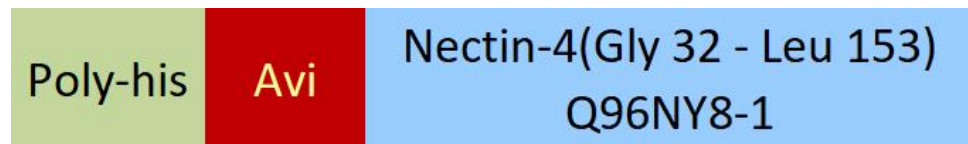
## Synonym

NECTIN4, LNIR, PRR4, PVRL4

## Source

Unconjugated Human Nectin-4 Protein, His,Avitag (NE4-H52E3) is expressed from human 293 cells (HEK293). It contains AA Gly 32 - Leu 153 (Accession # [Q96NY8-1](#)).

## Molecular Characterization



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

The protein has a calculated MW of 16.9 kDa. The protein migrates as 16-19 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.

>95% 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.**

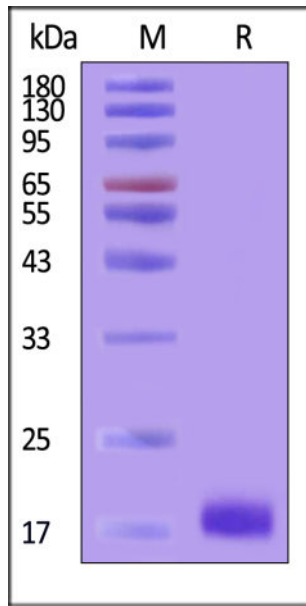
This product is stable after storage at:

- -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

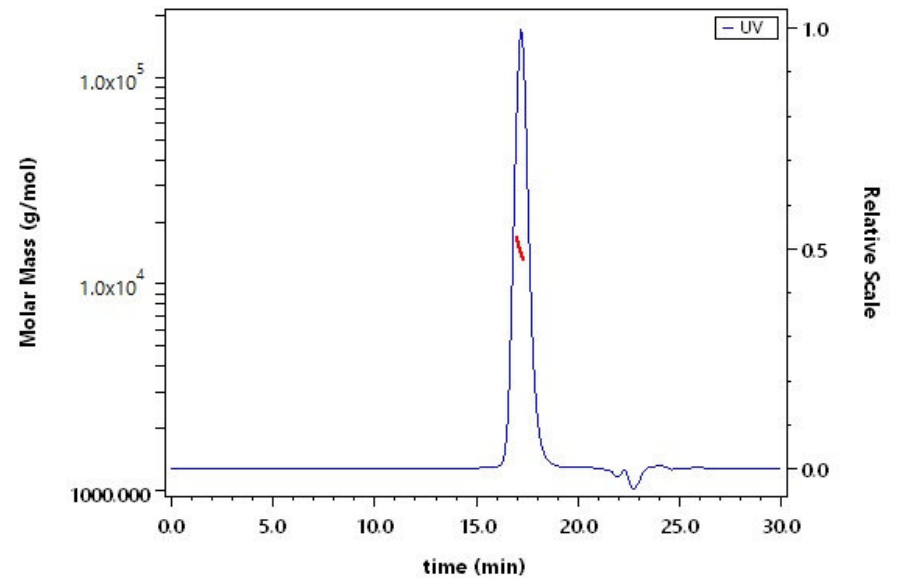
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

## SDS-PAGE



Unconjugated Human Nectin-4 Protein, His,Avitag 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 Unconjugated Human Nectin-4 Protein, His,Avitag (Cat. No. NE4-H52E3) is more than 95% and the molecular weight of this protein is around 14-22 kDa verified by SEC-MALS.

## 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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