

### Synonym

NECTIN4, LNIR, PRR4, PVRL4

### Source

Cynomolgus Nectin-4 Protein, Fc Tag (NE4-C5253) is expressed from human 293 cells (HEK293). It contains AA Gly 32 - Ser 349 (Accession # [XP\\_005541277.1](#)).

Predicted N-terminus: Gly 32

### Molecular Characterization

Nectin-4(Gly 32 - Ser 349) XP_005541277.1	Fc(Pro 100 - Lys 330) P01857
--	---------------------------------

This protein carries a human IgG1 Fc tag at the C-terminus

The protein has a calculated MW of 60.5 kDa. The protein migrates as 65-70 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.

### Purity

>90% as determined by SDS-PAGE.

### Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 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

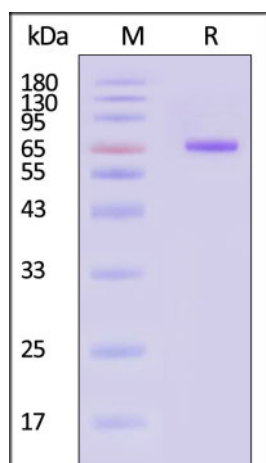
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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



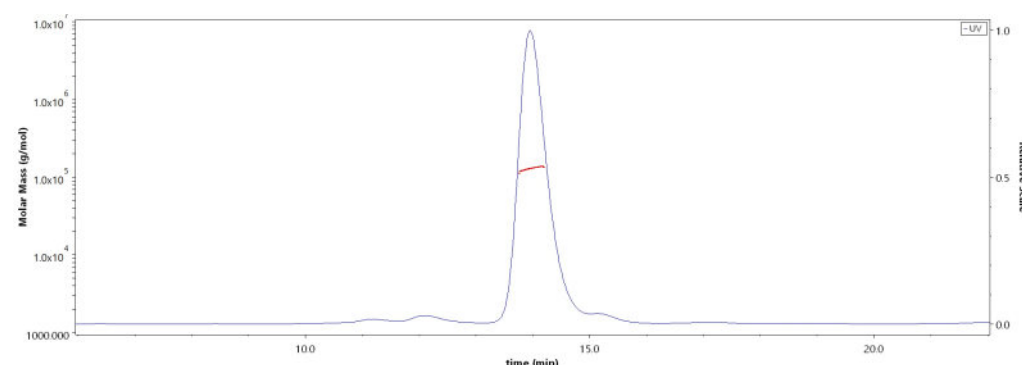
Cynomolgus Nectin-4 Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

### Bioactivity-ELISA

#### Nectin-4 ELISA

Immobilized Cynomolgus Nectin-4 Protein, Fc Tag (Cat. No. NE4-C5253) at 5 µg/mL (100 µL/well) can bind Anti-Nectin-4 Antibody, Mouse IgG1 with a linear range of 0.1-2 ng/mL (QC tested).

### SEC-MALS



The purity of Cynomolgus Nectin-4 Protein, Fc Tag (Cat. No. NE4-C5253) is more than 85% and the molecular weight of this protein is around 110-140 kDa verified by SEC-MALS.

[Report](#)

## 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.

## Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.