

# Human Nectin-3/CD113 Protein

Cat. No. NEC-HM203

## Description

<b>Source</b>	Recombinant Human Nectin-3/CD113 Protein is expressed from HEK293 with hFc tag at the C-terminus. It contains Gly58-Asp400.
<b>Accession</b>	Q9NQS3
<b>Molecular Weight</b>	The protein has a predicted MW of 63.63 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

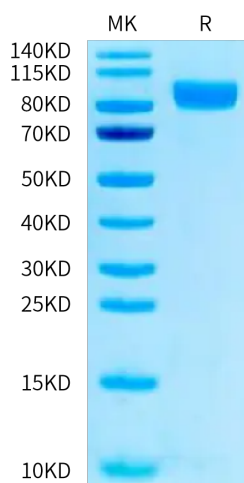
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

The Nectin family has at least four members (Nectin-14), all of which show alternate splicing, a transmembrane (TM) region (except for Nectin-1 gamma), and three extracellular Ig-domains. Nectins are highly homologous to the human receptor for poliovirus, and as such, have been alternatively-named poliovirus receptor-related proteins. They do not, however, appear to bind poliovirus. Nectin-3 (also named PRR3, CD113, and PVRL3) is an 83 kDa, type I TM glycoprotein. Its precursor is 549 amino acids (aa) in length. It contains an extended signal sequence of 57 aa, an extracellular domain (ECD) of 347 aa, a transmembrane segment of 21 aa (aa 405-425), and a cytoplasmic region of 124 amino acids.

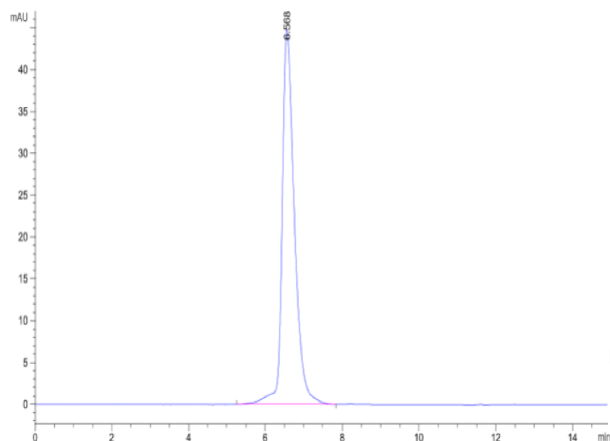
## Assay Data

### Tris-Bis PAGE



Human Nectin-3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



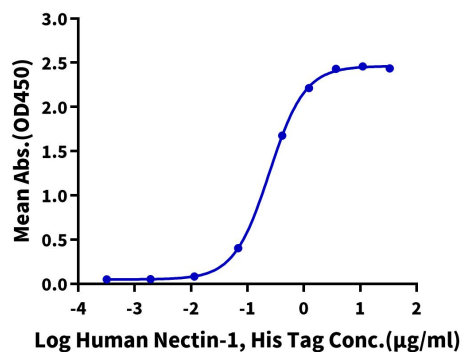
The purity of Human Nectin-3 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Human Nectin-3, hFc Tag ELISA**

0.1µg Human Nectin-3, hFc Tag Per Well



Immobilized Human Nectin-3, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human Nectin-1, His Tag with the EC50 of 0.24µg/ml determined by ELISA.