

HUMAN NECTIN-4 PROTEIN, HIS TAG

Cat.#: 11649

Product Name: Human NECTIN-4 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: EDSSI;LNIR;nectin-4;PRR4;PVRL4

Target: Nectin-4

UNIPROT ID: Q96NY8

Description: Recombinant human NECTIN-4 protein with C-terminal 6xHis tag

Background: This gene encodes a member of the nectin family. The encoded protein contains two immunoglobulin-like (Ig-like) C2-type domains and one Ig-like V-type domain. It is involved in cell adhesion through trans-homophilic and -heterophilic interactions. It is a single-pass type I membrane protein. The soluble form is produced by proteolytic cleavage at the cell surface by the metalloproteinase ADAM17/TACE. The secreted form is found in both breast tumor cell lines and breast tumor patients. Mutations in this gene are the cause of ectodermal dysplasia-syndactyly syndrome type 1, an autosomal recessive disorder. Alternatively spliced transcript variants have been found but the full-length nature of the variant has not been determined.[provided by RefSeq, Jan 2011]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 34.9 kDa after removal of the signal peptide. The apparent molecular mass of NECTIN-4-His is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: NECTIN-4(Gly32-Ser349) 6×His Tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human NECTIN-4 Protein, His Tag on SDS-PAGE under reducing condition.

Human NECTIN-4, His Tagged protein ELISA

0.2 μ g of Human NECTIN-4, His tagged protein per well

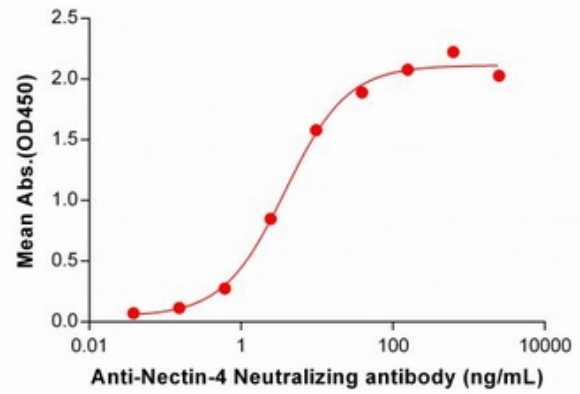


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human NECTIN-4 Protein, His Tag (11649) can bind Anti-Nectin-4 Neutralizing antibody 28091 in a linear range of 0.61-39.06 ng/mL.