

## Nectin-4 Protein IgV Domain, Human, Recombinant (His & Avi)

### General Information

Synonyms:	PRR4;PVRL4;LNIR;NECTIN4;EDSS1
Protein Construction:	Gly32-Leu146
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q96NY8-1
Molecular Weight:	15.8 kDa (predicted). Due to glycosylation, the protein migrates to 16-20 kDa based on Tris-Bis PAGE result.

### QC Testing

Biological Activity:	Immobilized Human Nectin-4 IgV Domain, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-Nectin-4 Antibody, hFc Tag with the EC50 of 16.8ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS (pH 7.4). Typically, 8% trehalose is incorporated as a protective agent before lyophilization.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Nectin-4 seems to be involved in cell adhesion through trans-homophilic and -heterophilic interactions, the latter including specifically interactions with NECTIN1. Does not act as receptor for alpha-herpesvirus entry into cells. (Microbial infection) Acts as a receptor for measles virus.

Reference

Challita-Eid P M, et al. Enfortumab Vedotin Antibody-Drug Conjugate Targeting Nectin-4 is a Highly Potent Therapeutic Agent in Multiple Preclinical Cancer Models[J]. Cancer Research, 2016:0008-5472.CAN-15-1313.

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