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# Recombinant Human NECTIN4/Nectin 4 Protein (His Tag)

Catalog Number: PDMH100416

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### Description

Species Human

Source HEK293 Cells-derived Human NECTIN4 protein Met1-Ser349, with an C-terminal

His

 Calculated MW
 38.3 kDa

 Observed MW
 45 kDa

 Accession
 Q96NY8

Bio-activity Not validated for activity

#### **Properties**

**Purity** > 95% as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU/mg of the protein as determined by the LAL method

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -

80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at < -20°C for 3 months.

Shipping

This product is provided as lyophilized powder which is shipped with ice packs.

Formulation

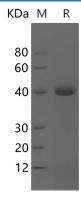
Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5%

Mannitol.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution

of 0.5 mg/mL. Concentration is measured by UV-Vis.

## Data



SDS-PAGE analysis of Human NECTIN4/Nectin 4 proteins, 2 µg/lane of Recombinant Human NECTIN4/Nectin 4 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 45 kDa.

### **Background**

Nectin-4 (PVRL4) is a type I transmembrane glycoprotein which belongs to the nectin family of Ig superfamily proteins. It contains two Ig-like C2-type domains and one Ig-like V-type domain. PVRL4 seems to be involved in cell adhesion through trans-homophilic and-heterophilic interactions, the latter including specifically interactions with nectin-1. It does not act as receptor for alpha-herpesvirus entry into cells. It is predominantly expressed in placenta, the embryo and breast carcinoma. But it is not detected in normal breast epithelium. The soluble form is produced by proteolytic cleavage at the cell surface (shedding), probably by ADAM17. Mutations in this gene are the cause of ectodermal dysplasia-syndactyly syndrome type 1, an autosomal recessive disorder.

## For Research Use Only

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