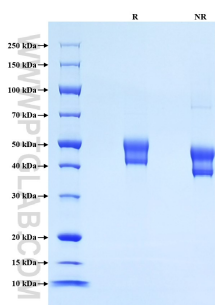


Recombinant Human Nectin-4/PVRL4 protein (His Tag)

Catalog Number: Eg0415

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human Nectin-4 protein Gly32-Ser349 (Accession# Q96NY8-1) with a His tag at the C-terminus.</p> <p>GeneID: 81607</p> <p>Accession: Q96NY8-1</p> <p>Predicted Molecular Mass: 37.9 kDa</p> <p>SDS-PAGE: 40-52 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Nectin-4, also known as PVRL4, is a type-I transmembrane glycoprotein that belongs to the nectin subfamily of immunoglobulin-like adhesion molecules that participate in Ca²⁺-independent cell-cell adhesion. The extracellular domain of Nectin-4, which contains three immunoglobulin-like domains (V and two C2-type domains, VCC), can be proteolytically cleaved to release a soluble form. Nectin-4 interacts with afadin via its carboxyl-terminal cytoplasmic sequence and trans-interacts with nectin-1/PRR1 through V domain interaction. It acts as a receptor for measles virus. Nectin-4 is overexpressed in multiple human malignancies and the aberrant expression is correlated with cancer progression and poor prognostic.</p>		
References	<ol style="list-style-type: none">1. N Reymond, et al. (2001) J Biol Chem. 276(46):43205-15.2. Stéphanie Fabre-Lafay. (2005) J Biol Chem. 280(20):19543-50.3. Martin J Barron, et al. (2008) Hum Mol Genet. 17(22):3509-20.4. Michael D Mühlebach, et al. (2011) Nature. 480(7378):530-3.5. Wafa Bouleftour, et al. (2022) Mol Cancer Ther. 21(4):493-501.		
Synonyms	Nectin-4, PVRL4, Ig superfamily receptor LNIR, LNIR, nectin 4		

Selected Validation Data



Purity of Recombinant Human Nectin-4 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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