

# Recombinant Human Nectin-2/PVRL2/CD112 Protein

Catalog No.: RP00382 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	5819	Q92692-2

### Tags

C-hFc

### Synonyms

CD112; MPH; Nectin2; PRR2; PVRL2;  
HVEB; PVRR2

## Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
62.3 kDa	70-80 kDa

### Endotoxin

&lt; 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Nectin-2 is an adhesion molecule that has been reported to play a role in tumor growth, metastasis and tumor angiogenesis. Nectin-2 expression in ovarian cancer may support tumor cell adhesion, leading to growth and lymph node metastasis. Effect of VEGF on Nectin-2 expression as well as permeability was investigated in HUVEC.

## Basic Information

### Description

Recombinant Human Nectin-2/PVRL2/CD112 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln32-Leu360) of Human Nectin-2/PVRL2/CD112 (Accession #Q92692-2) fused with a C-hFc tag at the C-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

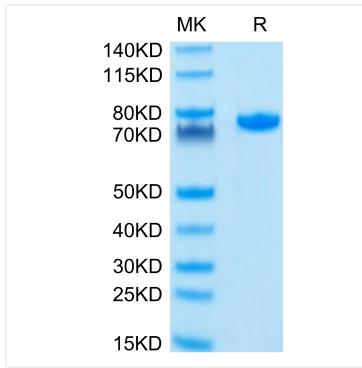
Avoid repeated freeze/thaw cycles.

### Operational Notes

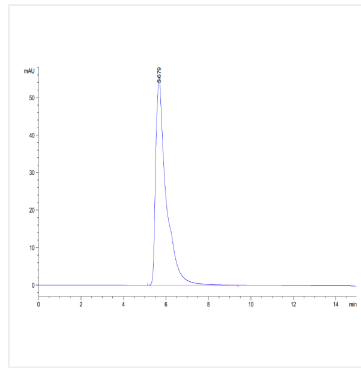
For your safety and health, please wear a lab coat and disposable gloves for handling.



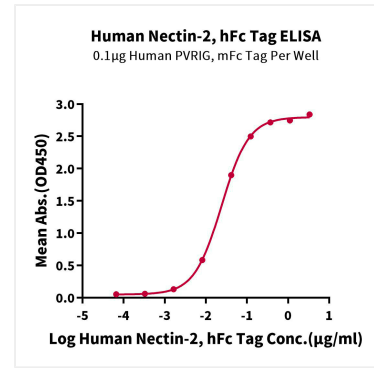
## Validation Data



Recombinant Human Nectin-2/PVRL2/CD112 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human Nectin-2 is greater than 95% as determined by SEC-HPLC.



Immobilized Human PVRL2, mFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human Nectin-2, hFc Tag with the  $EC_{50}$  of 24.1ng/mL determined by ELISA.