

For Research Use Only

# Recombinant Human Nectin-2/CD112 protein (His Tag)



Catalog Number: Eg1671

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
His Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE

**Endotoxin Level:**  
<0.1 EU/μg protein, LAL method

**Source:**  
HEK293-derived Human Nectin-2 protein Gln32-Leu360 (Accession# Q92692-2) with a His tag at the C-terminus.

**GeneID:**  
5819

**Accession:**  
Q92692-2

**Predicted Molecular Mass:**  
36.6 kDa

**SDS-PAGE:**  
40-47 kDa, reducing (R) conditions

**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.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**  
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

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

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Nectin 2, also named as PVRL2, CD112, HVEB, PRR2 and PVRR2, is an adhesion molecule widely expressed in cell lines of different lineages, including hematopoietic, neuronal, endothelial and epithelial cells. CD112 belongs to a new family of immunoglobulin-like molecules that includes four members (CD111, CD112, PRR3 and CD155) sharing an ectodomain made of three Ig domains, of V and C types. CD112 is expressed in the myelo-monocytic and megakaryocytic hematopoietic lineages and the function in hematopoiesis is currently unknown. CD112 is an intercellular homophilic adhesion. CD112 localizes specifically at adherens junctions via its cytoplasmic interaction with the scaffold F-actin binding protein afadin. Disruption of the murine CD112 gene leads to infertility of male mice with morphologically aberrant spermatozoa. CD112 mediates entry of some alphaherpesvirus mutants (also named HveB) via its V domain. CD112 is involved in cell to cell spreading of viruses (PMID: 39156900; 22547693).

## References

1. Murakami K. et al. (2024). Front Immunol. 15:1441730.
2. Liu J. et al. (2012). J Immunol. 188(11):5511-5520.

## Synonyms

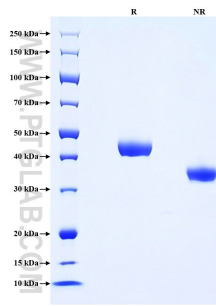
Nectin-2, CD112, Herpes virus entry mediator B, Herpesvirus entry mediator B, HVEB

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

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## Selected Validation Data



Purity of Recombinant Human Nectin-2 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.