

Catalog No.: RP01346 **Recombinant**

Species	Gene ID	Swiss Prot
Human	5819	O92692-2

Tags
C-hFc&His

Synonyms
CD112; HVEB; PRR2; PVRL2;
PVRR2;NECTIN2;HVEB;PRR2;PVRL2;PVRR
2;nectin-2

Source HEK293 cells	Purification ≥ 95 % as determined by SDS- PAGE
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Calculated MW	Observed MW
62.03 kDa	70-80 kDa

< 0.1 EU/μg of the protein by LAL method.

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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.

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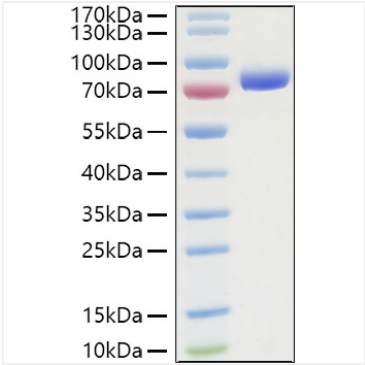
Cluster of Differentiation 112 (CD112), also known as poliovirus receptor related protein 2 (PVRL2 or PRR2), is a single-pass type I transmembrane glycoprotein belonging to the Immunoglobulin superfamily. CD112 protein also serves as an entry for certain mutant strains of herpes simplex virus and pseudorabies virus, and thus is involved in cell to cell spreading of these viruses. CD112 protein has been identified as the ligand for DNAM-1 (CD226), and the interaction of CD226/CD112 protein can induce NK cell- and CD8+T cell-mediated cytotoxicity and cytokine secretion. CD112 has been regarded as a critical component in allergic reactions, and accordingly may function as a novel target for anti-allergic therapy.

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/CD112/PVRL2 (Accession #NP_002847.1) fused with Fc, 6xHis tag at the C-terminus.

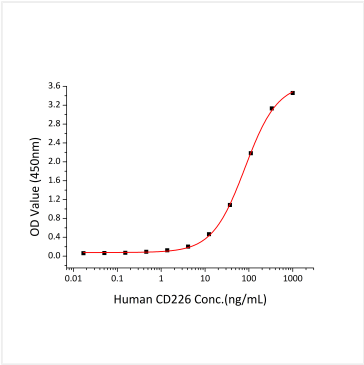
Measured by its binding ability in a functional ELISA. Immobilized Human CD112 (Catalog #RP01346) at 1 µg/mL (100 µL/well) can bind Human CD226 (Catalog #RP00283) with a linear range of 1.37-81.11 ng/mL.

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.

Validation Data



Recombinant Human Nectin-2/PVRL2/CD112 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human CD112(Catalog #RP01346) at 1 μg/mL (100 μL/well) can bind Human CD226 (Catalog #RP00283) with a linear range of 1.37-81.11 ng/mL.