

## 37-1345: Mouse CD112 / Nectin-2 / PVRL2 Recombinant Protein (His Tag)(Discontinued)

**Reactivity :** Mouse  
**Alternative Name :** AI325026 Protein, Mouse; AI987993 Protein, Mouse; Cd112 Protein, Mouse; MPH Protein, Mouse; nectin-2 Protein, Mouse; Pvr Protein, Mouse; Pvs Protein, Mouse

### Description

#### Source : HEK293 Cells

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.

### Product Info

**Amount :** 2 / PVRL2 Recombinant Protein (His Tag)(Discontinued) / 100 µg  
**Purification :** > 98 % as determined by SDS-PAGE  
**Content :** Formulation Lyophilized from sterile PBS, pH 7.4  
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.  
**Storage condition :** Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.  
**Amino Acid :** Met1-Gly351

### Application Note

Measured by its binding ability in a functional ELISA. 1. Immobilized mouse CD112-His at 10  $\mu\text{g/ml}$  (100  $\mu\text{L/well}$ ) can bind biotinylated mouse DNAM1-His with a linear range of 0.156-5.0  $\mu\text{g/ml}$ . 2. Immobilized mouse CD112-His at 10  $\mu\text{g/ml}$  (100  $\mu\text{L/well}$ ) can bind mouse DNAM1-Fc with a linear range of 0.03-1.0  $\mu\text{g/ml}$ .  
Endotoxin :< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

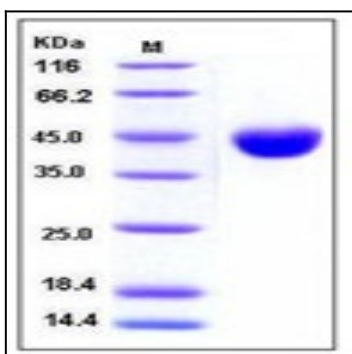


Fig 1: Mouse CD112 / Nectin-2 / PVRL2 Recombinant Protein (His Tag)