

## Recombinant Mouse CD112/Nectin-2 Protein (His Tag)

Catalog No. PKSM041226

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

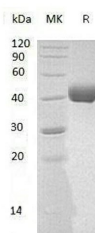
### Description

<b>Synonyms</b>	CD112;nectin2;Herpes virus entry mediator B;Herpesvirus entry mediator B;HveB;Murine herpes virus entry protein B;mHveB;Poliovirus receptor homolog;Poliovirus receptor-related protein 2;Pvrl2;
<b>Species</b>	Mouse
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gln32-Gly351
<b>Accession</b>	P32507
<b>Calculated Molecular Weight</b>	35.6 kDa
<b>Observed molecular weight</b>	40-45 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

#### For Research Use Only

Nectin-2( CD112) is a member of the nectin family, which contains two Ig-like C2-type domains and one Ig-like V-type domain in the extracellular region. Nectins are type I transmembrane glycoproteins that are calcium-independent immunoglobulin (Ig)-like cell adhesion molecules (CAMs). Nectin2 is widely expressed in human tissues including brain, spinal cord, spleen, kidney, heart and liver. It can form trans-heterodimers with PVRL3/necl-3 and interacts with CD226. Mutations of alleles of the murine CD112 gene can result in conditions such as morphologically aberrant spermatozoa. It may function in allergic reactions, and accordingly may used as a novel target for anti-allergic therapy.