



# Recombinant Protein Technical Manual

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

RPES0264

### Product Data:

**Product SKU:** RPES0264

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** NP\_033016.3

### Protein Information:

**Molecular Mass:** 35.6 kDa

**AP Molecular Mass:** 40-45 kDa

**Tag:** C-6His

**Bio-activity:** Immobilized Human DNAM-Fc(Cat: PKSH033729) at 2µg/ml(100 µl/well) can bind Human Nectin-2-His.

**Purity:** > 95 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** 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.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Reconstitution:** Please refer to it for detailed information.

**Application:** Functional ELISA

**Synonyms:** 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;

## Immunogen Information:

**Sequence:** Gln32-Gly351

## Background:

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/nectin-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.