# HUMAN CD112 PROTEIN, HIS TAG

**Cat.#:** 11375
**Product Name:** Human CD112 Protein
**Size :** 10 µg, 50 µg and 100 µg
**Synonyms:** NECTIN2;HVEB;PRR2;PVRL2;PVRR2
**Target:** CD112
**UNIPROT ID:** Q92692
**Description:** Recombinant Human CD112 with C-terminal 6xHis tag
**Background:** This gene encodes a single-pass type I membrane glycoprotein with two Ig-like C2-type domains and an Ig-like V-type domain. This protein is one of the plasma membrane components of adherens junctions. It also serves as an entry for certain mutant strains of herpes simplex virus and pseudorabies virus, and it is involved in cell to cell spreading of these viruses. Variations in this gene have been associated with differences in the severity of multiple sclerosis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
**Species/Host:** HEK293
**Molecular Weight:** The protein has a predicted molecular mass of 36.1 kDa after removal of the signal peptide.The apparent molecular mass of CD112-His is approximately 35-55 kDa due to glycosylation.
**Molecular Characterization:** CD112(Gln32-Gly360) 6×His tag
**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

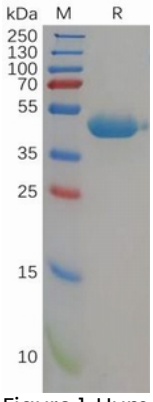


Figure 1. Human CD112 Protein, His Tag on SDS-PAGE under reducing condition.

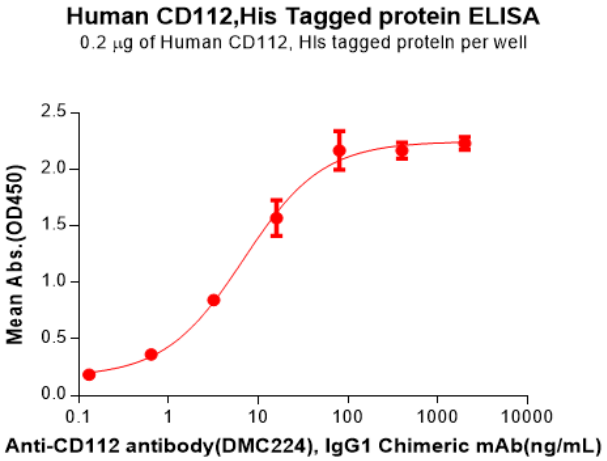


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD112 Protein, His Tag(11375) can bind Anti-CD112 antibody(DMC224), IgG1 Chimeric mAb in a linear range of 0.64-16.00 ng/mL.