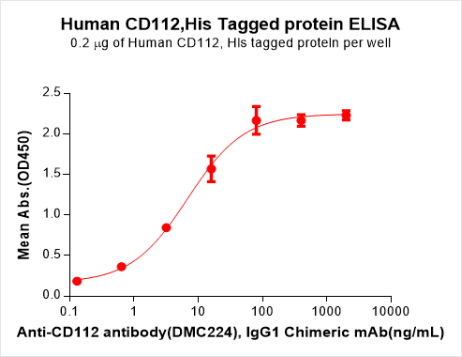
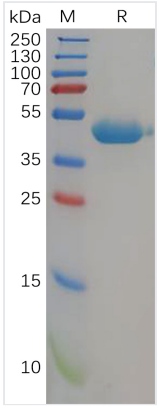
CD112 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	CD112, Recombinant Protein
Full Product Name	Human CD112 Protein, His Tag
Product Gene Name	CD112 recombinant protein
Product Synonym Names	NECTIN2; HVEB; PRR2; PVRL2; PVRR2
Sequence	CD112 (Gln32-Gly 360)+6×Hi s tag
Host	HEK293 cells
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose is added as protectants before lyophilization.
Purity/Purification	>95%; affinity purification
Preparation and Storage	Store at -80 degree C for 12 months (Avoid repeated freezing and thawing)
Molecular Weight	51,359 Da
OMIM	X80038 mRNA
3D Structure	ModBase 3D Structure for Q92692
Species	Human
Tag	C-6×His tag
Reconstitution	Reconstitute with deionized water
Related Product Information for CD112 recombinant protein	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.
Other Notes	Small volumes of CD112 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD112 purchase	MBS188779 is a recombinant protein targeting CD112. Also known as Human CD112 Protein, His Tag. Host: HEK293 cells.



ELISA (EIA) of CD112 recombinant protein
Figure 1. Human CD112 Protein, His Tag on SDS-PAGE under reducing condition.



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

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD112. It may not necessarily be applicable to this product.

NCBI GI #	12643789
NCBI GeneID	5819
NCBI Accession #	Q92692.1
UniProt Primary Accession #	Q92692
UniProt Secondary Accession #	O75455; Q6IBI6; Q96J29; A8K5L5
UniProt Related Accession #	Q92692
NCBI Official Full Name	Nectin-2
NCBI Official Synonym Full Names	nectin cell adhesion molecule 2
NCBI Official Symbol	NECTIN2
NCBI Official Synonym Symbols	HVEB; PRR2; CD112; PVRL2; PVRR2
UniProt Protein Name	Nectin-2
UniProt Synonym Protein Names	Herpes virus entry mediator B; Herpesvirus entry mediator B; HveB; Nectin cell adhesion molecule 2
Protein Family	Nectin
UniProt Gene Name	NECTIN2
UniProt Synonym Gene Names	Herpesvirus entry mediator B; HveB
NCBI Protein Information	nectin-2
UniProt Comments for CD112	Modulator of T-cell signaling. Can be either a costimulator of T-cell function, or a coinhibitor, depending on the receptor it binds to. Upon binding to CD226, stimulates T-cell proliferation and cytokine production, including that of IL2, IL5, IL10, IL13, and IFNG. Upon interaction with PVRIG, inhibits T-cell proliferation. These interactions are competitive (PubMed:26755705). Probable cell adhesion protein (PubMed:9657005).
Research Articles on CD112	**1.** In the infection with 3 MLD50 (50 % mouse lethal dose), effective resistance was not observed in transgenic mice expressing nectin-2Ig.
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