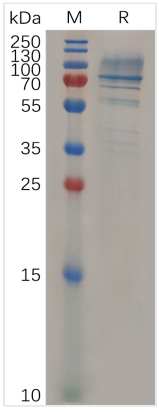
CD138 Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	CD138, Recombinant Protein
Full Product Name	Mouse CD138 Protein, hFc Tag
Product Gene Name	CD138 recombinant protein
Product Synonym Names	AA408134; AA409076; CD138; Sstn; syn-1; Synd; Synd1
Host	HEK293
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Purity/Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Molecular Weight	28,235 Da
3D Structure	ModBase 3D Structure for P18828
Tag	C-Human Fc tag
Product Categories/Family for CD138 recombinant protein	Bioactive Protein
Related Product Information for CD138 recombinant protein	Recombinant mouse CD138 protein with C-terminal human Fc tag Cell surface proteoglycan that bears both heparan sulfate and chondroitin sulfate and that links the cytoskeleton to the interstitial matrix. Regulates exosome biogenesis in concert with SDCBP and PDCD6IP.
Other Notes	Small volumes of CD138 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 CD138 purchase	MBS189221 is a recombinant protein targeting CD138. Also known as Mouse CD138 Protein, hFc Tag. Host: HEK293.



SDS-Page of CD138 recombinant protein
Figure 1. Mouse CD138 Protein, hFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD138. It may not necessarily be applicable to this product.

NCBI GI #	6755438
NCBI GeneID	20969
NCBI Accession #	NP_035649.1
UniProt Primary Accession #	P18828
UniProt Secondary Accession #	Q62278; Q9WVD2
UniProt Related Accession #	P18828
GenBank Nucleotide #	NM_011519.2
NCBI Official Full Name	syndecan-1
NCBI Official Synonym Full Names	syndecan 1
NCBI Official Symbol	Sdc1
NCBI Official Synonym Symbols	Sstn; Synd; CD138; Synd1; syn-1; AA408134; AA409076
UniProt Protein Name	Syndecan-1
UniProt Synonym Protein Names	CD_antigen: CD138
Protein Family	Syndecan
UniProt Gene Name	Sdc1
UniProt Synonym Gene Names	Synd-1; Synd1; SYND1
NCBI Protein Information	syndecan-1
UniProt Comments for CD138	syndecan-1: Cell surface proteoglycan that bears both heparan sulfate and chondroitin sulfate and that links the cytoskeleton to the interstitial matrix. Belongs to the syndecan proteoglycan family. Protein type: Extracellular matrix; Membrane protein, integral; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 12 A1.1|12 3.94 cM Cellular Component: cell surface; cytoplasm; external side of plasma membrane; focal adhesion; protein complex Molecular Function: glycoprotein binding; protein C-terminus binding Biological Process: cell migration; inflammatory response; myoblast development; Wnt receptor signaling pathway through beta-catenin
Research Articles on CD138	**1.** This study indicates that, while syndecan-1 is important for providing a barrier to acute S. aureus infection in PD, it does not affect peritoneal fibrosis and angiogenesis.
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