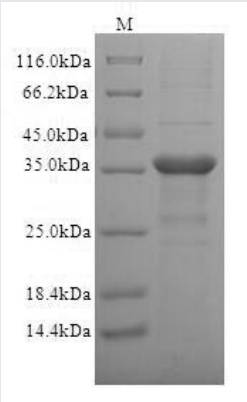
T-Cell Surface Glycoprotein Cd1c (CD1C) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	T-cell surface glycoprotein CD1c, Recombinant Protein
Full Product Name	Recombinant Human T-cell surface glycoprotein CD1c
Product Gene Name	CD1C recombinant protein
Product Synonym Names	CD_antigen: CD1c
Sequence	NADASQEHVS FHVIQIFSFV NQSWARGQGS GWLDELQTHG WDSESGTIIF LHNWSKGNFS NEELSDLELL FRFYLFGLTR EIQDHASQDY SKYPFEVQVK AGCELHSGKS PEGFFQVAFN GLDLLSFQNT TWVPSPGCGS LAQSVCHLLN HQYEGVTETV YNLIRSTCPR FLLGLLDAGK MYVHRQVRPE AWLSSRPSLG SGQLLLVCHA SGFYPKPVWV TWMRNEQEQL GTKHGDILPN ADGTWYLQVI LEVASEEPAG LSCRVRHSSL GGQDIILYWG HHFSM
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.
Molecular Weight	34.2 kDa
Sequence Positions	18-302aa; Partial
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	188340
3D Structure	ModBase 3D Structure for P29017
Species	Homo sapiens (Human)
Product Categories/Family for CD1C recombinant protein	Immunology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CD1C recombinant protein	Antigen-presenting protein that binds self and non-self lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells.
Product References and Citations for CD1C recombinant protein	"Human CD1b and CD1c isoforms survey different intracellular compartments for the presentation of microbial lipid antigens." Briken V., Jackman R.M., Watts G.F.M., Rogers R.A., Porcelli S.A. J. Exp. Med. 192:281-288(2000)
Other Notes	Small volumes of CD1C 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 CD1C purchase	MBS958959 is a recombinant protein targeting CD1C. Also known as Recombinant Human T-cell surface glycoprotein CD1c. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.



SDS-PAGE of CD1C recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD1C. It may not necessarily be applicable to this product.

NCBI GI #	110618227
NCBI GeneID	911
NCBI Accession #	NP_001756.2
UniProt Primary Accession #	P29017
UniProt Secondary Accession #	Q5TDJ7; Q6IAS4; Q9UMM0; Q9UN96
UniProt Related Accession #	P29017
GenBank Nucleotide #	NM_001765.2
NCBI Official Full Name	T-cell surface glycoprotein CD1c
NCBI Official Synonym Full Names	CD1c molecule
NCBI Official Symbol	CD1C
NCBI Official Synonym Symbols	R7; CD1; CD1A; BDCA1
UniProt Protein Name	T-cell surface glycoprotein CD1c
UniProt Synonym Protein Names	CD_antigen: CD1c
Protein Family	T-cell surface glycoprotein
UniProt Gene Name	CD1C
UniProt Entry Name	CD1C_HUMAN
NCBI Protein Information	T-cell surface glycoprotein CD1c
NCBI Summary for CD1C	This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene is broadly distributed throughout the endocytic system via a tyrosine-based motif in the cytoplasmic tail. Alternatively spliced transcript variants of this gene have been observed, but their full-length nature is not known. [provided by RefSeq, Jul 2008]

UniProt Comments for CD1C	CD1C: Antigen-presenting protein that binds self and non-self lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 1q23.1 Cellular Component: endosome membrane; integral to plasma membrane; lysosome; plasma membrane Molecular Function: beta-2-microglobulin binding; endogenous lipid antigen binding; exogenous lipid antigen binding; glycolipid binding Biological Process: adaptive immune response; antigen processing and presentation, exogenous lipid antigen via MHC class Ib; T cell activation during immune response
Research Articles on CD1C	**1.** There was a significant increase of blood CD1c(+) myeloid dendritic cells in autoimmune uveitis patients. The mature phenotype and function of CD1c(+) mDC1 were regulated by TNFalpha via a p38 MAPK-dependent pathway.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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