Recombinant Full Length Human CD1B Protein, GST-tagged

Cat. No. CD1B-3009HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD1B full-length ORF (NP_001755.1, 1 a.a. - 333 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	333 amino acids
Description	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 localizes to late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail, and requires vesicular acidification to bind lipid antigens. [provided by RefSeq, Jul 2008]
Molecular Mass	63.3 kDa
AA Sequence	MLLLPFQLLAVLFPGGNSEHAFQGPTSFHVIQTSSFTNSTWAQTQGSGWLDDLQIH GWDSDSGTAIFLKPWSKGNFSDKEVAELEEIFRVYIFGFAREVQDFAGDFQMKYPF EIQGIAGCELHSGGAIVSFLRGALGGLDFLSVKNASCVPSPEGGSRAQKFCALIIQYQ

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	GIMETVRILLYETCPRYLLGVLNAGKADLQRQVKPEAWLSSGPSPGPGRLQLVCHV SGFYPKPVWVMWMRGEQEQQGTQLGDILPNANWTWYLRATLDVADGEAAGLSCR VKHSSLEGQDIILYWRNPTSIGSIVLAIIVPSLLLLLCLALWYMRRRSYQNIP
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CD1B CD1b molecule [Homo sapiens]
Official Symbol	CD1B
Synonyms	CD1B; CD1b molecule; CD1, CD1b antigen, CD1B antigen, b polypeptide; T-cell surface glycoprotein CD1b; CD1B antigen, b polypeptide; cortical thymocyte antigen CD1B; differentiation antigen CD1-alpha-3; R1; CD1; CD1A; MGC125990; MGC125991;
Gene ID	910
mRNA Refseq	NM_001764
Protein Refseq	NP_001755
MIM	188360

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UniProt ID	P29016

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