

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	MLLLPFQLLAVLFPGGNSEHAFQGPTSFHVIQTSSFTNSTWAQTQSGSWLDDLQIH GWDSDSGTAFILKPWSKGNFSDKEVAELEEIFRVYIFGFAREVQDFAGDFQMKYPF EIQGIAGCELHSGGAIVSFLRGALGGLDFLSVKNASCVPSPEGGSRAQKFCALIIQYQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GIMETVRILLYETCPRYLLGVNAGKADLQRQVKPEAWLSSGSPSPGPGRLQLVCHV
SGFYPPKPVWVMWMRGEQEQQGTQLGDILPNANWTWYLRATLDVADGEAAGLSCR
VKHSSLEGQDILYWRNPTSIGSIVLAIIVPSLLLLLCLALWYMRRRSYQNIP

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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