

Recombinant Full Length Human CD1B Protein

Cat. No. CD1B-61HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CD1b (amino acids 1-333) with N terminal proprietary tag, 62.7kDa.
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.
Form	Liquid
Molecular Mass	62.700kDa inclusive of tags
AA Sequence	MLLLPFQLLAVLFPGGNSEHAFQGPTSFHVIQTSSFTNST WAQTQGSGLDDLQIH GWSDSDSGTAIFLKPWSKGNFSDKE VAELEEIFRVYIFGFAREVQDFAGDFQMKYPF

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EIQGIAGC ELHSGGAIVSFLRGALGGLDFLSVKNASCVPSPEGGSSRAQ KFCALIIQY
 QGIMETVRILLYETCPRYLLGVLNAGKADLQ RQVKPEAWLSSGPPSPGRLQLVCH
 VSGFYKPKPVWVMWMMR GEQEQQGTQLGDILPNANWTWYLRLATLDVADGEAAGLS
 CR VKHSSLEGQDIILYWRNPTSIGSIVLAIIVPSLLLLLCLA LWYMRRRSYQNIP

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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

Gene ID 910

mRNA Refseq NM_001764

Protein Refseq NP_001755

MIM 188360

UniProt ID P29016

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