

Recombinant Full Length Human CD1D Protein

Cat. No. CD1D-64HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CD1d with N terminal proprietary tag; predicted MW 62.59 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	335 amino acids
Description	This gene encodes a divergent 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.
Form	Liquid
Molecular Mass	62.590kDa inclusive of tags
AA Sequence	MGCLLFLLWALLQAWGSAEVPQRLFPLRCLQISSFANSS WTRTDGLAWLGELQT HSWSNDSDTVRSCLKPWSQGTFSDDQ WETLQHIFRVYRSSFTRDVKEFAKMLRLSY

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PLELQVSAGC EVHPGNASNNFFHVAFQGKDILSFQGTSWEPTQEAPLWVN LAIQV
 LNQDKWTRETVQWLLNGTCPQFVSGLLESGKSELK KQVKPKAWLSRGPSPGPGR
 LLLVCHVSGFYPPKPVWVKWMR GEQEQQGTQPGDILPNADETWYLRATLDVVAGE
 AAGLSCR VKHSSLEGQDIVLYWGGSYTSMGLIALAVLACLLFLLIVG FTSRFKRQTS
 YQGV

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 [CD1D CD1d molecule \[Homo sapiens \]](#)

Official Symbol [CD1D](#)

Synonyms CD1D; CD1d molecule; CD1d antigen , CD1D antigen, d polypeptide; antigen-presenting glycoprotein CD1d

Gene ID [912](#)

mRNA Refseq [NM_001766](#)

Protein Refseq [NP_001757](#)

MIM [188410](#)

UniProt ID [P15813](#)

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