

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 HWSNDSDTVRS LKPWSQGTFS DQQ WETLQHIFRVYRSSFTRDVKEFAKMLRLSY

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PLELQVSAGC EVHPGNASNNFFHVAFQGGKILSFQGTSWEPTQEAPLWVN LAIQV
LNQDKWTRETVQWLLNGTCPQFVSGLLESGKSELK KQVKPKAWLSRGPSPGPGR
LLLVCHVSGFYKPKPVVWKWMR GEQEQQGTQPGDILPNADETWYLRATLDVVAGE
AAGLSCR VKHSSLEGQDIVLYWGGSYTSMGLIALAVLACLLFLLIVG FTSRFKRQTS
YQGVL

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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