Recombinant Human CD1D Protein, His-tagged

Cat. No. CD1D-231H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD1D(20-301aa) fused with His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	20-301aa
Description	CD1D, also known as antigen-presenting glycoprotein CD1d isoform 1, is a transmembrane glycoprotein in the CD1 family of glycolipid antigen-presenting MHC-like molecules. CD1d-presented lipid antigens activate a special class of T cells, known as natural killer T (NKT) cells, through the interaction with the T-cell receptor present on NKT membranes. When activated, NKT cells rapidly produce Th1 and Th2 cytokines, typically represented by interferon-gamma and interleukin 4 production.
Predicted N Terminal	Glu 20
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	32.9kDa (290aa) 40-57KDa (SDS-PAGE under reducing conditions.)
AA Sequence	EVPQRLFPLR CLQISSFANS SWTRTDGLAW LGELQTHSWS NDSDTVRSLK PWSQGTFSDQ QWETLQHIFR VYRSSFTRDV KEFAKMLRLS YPLELQVSAG CEVHPGNASN NFFHVAFQGK DILSFQGTSW EPTQEAPLWV

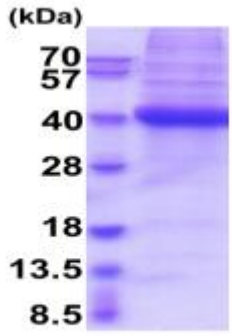
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	NLAIQVLNQD KWTRETVQWL LNGTCPQFVS GLLESGKSEL KKQVKPKAWL SRGPSPGPGR LLLVCHVSGF YPKPVWVKWM RGEQEQQGTQ PGDILPNADE TWYLRATLDV VAGEAAGLSC RVKHSSLEGQ DIVLYWGGSY TSLEHHHHHH
Purity	> 85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Absorbance at 280nm)

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; R3G1; thymocyte antigen CD1D; CD1D antigen, d polypeptide; T-cell surface glycoprotein CD1d; differentiation antigen CD1-alpha-3; HMC class I antigen-like glycoprotein CD1D; R3; CD1A; MGC34622;
Gene ID	912
mRNA Refseq	NM_001766
Protein Refseq	NP_001757

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MIM	188410
UniProt ID	P15813
	

15% SDS-PAGE (3ug)

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