Recombinant Human CD1A protein, His-tagged

Cat. No. CD1A-26H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD1A(1-284aa) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-284 a.a.
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 the plasma membrane and to recycling vesicles of the early endocytic system. Alternative splicing results in multiple transcript variants.
Form	The purified protein was resolved in 1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH7.) added with 300mM Imidazole and 15% glycerol.
AA Sequence	MWNWLKEPLSFHVIWIASFYNHSWKQNLVSGWLSDLQTHTWDSNSSTIVFLWPWS RGNFSNEEWKELETLFRIRTIRSFEGIRRYAHELQFEYPFEIQVTGGCELHSGKVSGS FLQLAYQGSDFVSFQNNSWLPYPVAGNMAKHFCKVLNQNQHENDITHNLLSDTCP RFILGLLDAGKAHLQRQVKPEAWLSHGPSPGPGHLQLVCHVSGFYPKPVWVMWM

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	RGEQEQQGTQRGDILPSADGTWYLRATLEVAAGEAADLSCRVKHSSLEGQDIVLY WEHHSSV
Storage	Aliquot and store at -20 centigrade to -80 centigrade for up to 6 months. Avoid freeze thaw cycles.
Shipping	The product is shipped with ice packs. Upon receipt, store it immediately at -20 centigrade to -80 centigrade.

GENE INFORMATION

Gene Name	CD1A CD1a molecule [Homo sapiens]
Official Symbol	CD1A
Synonyms	CD1A; CD1a molecule; CD1, CD1a antigen , CD1A antigen, a polypeptide; T-cell surface glycoprotein CD1a; hTa1 thymocyte antigen; CD1A antigen, a polypeptide; cluster of differentiation 1 A; T-cell surface antigen T6/Leu-6; cortical thymocyte antigen CD1A; differentiation antigen CD1-alpha-3; epidermal dendritic cell marker CD1a; R4; T6; CD1; FCB6; HTA1;
Gene ID	909
mRNA Refseq	NM_001763
Protein Refseq	NP_001754
MIM	188370
UniProt ID	P06126

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