

Recombinant Human CD1A Protein, His-tagged

Cat. No. CD1A-151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD1a molecule(CD1A), transcript variant 1(NM_001763), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
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	Purified protein formulated in a sterile solution of TBS buffer, pH7.237, without any preservatives.
Molecular Mass	57 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications

Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

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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