

Recombinant Human CD1A Protein, His-tagged

Cat. No. CD1A-656H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD1A Protein (Asn17-Val300) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asn17-Val300
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36 kDa; Accurate Molecular Mass: 35&28 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CD1A CD1a molecule [Homo sapiens (human)]
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

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MIM	188370
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UniProt ID	P06126
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