

Recombinant Human CD1A protein

Cat. No. CD1A-367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD1A comprises aa 19-327 is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
ProteinLength	19-327 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	Sterile filtered clear solution in 50 mM Tris-Acetate, pH7.5, 1 mM EDTA, 20% Glycerol.
Endotoxin	< 0.1ng/ug of protein
Applications	ELISA; Western blot; Inhibition Assays

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Stability	Stable for 1 year. Avoid repeated freeze-thaw cycles.
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Storage	Store at -80 centigrade. For multiple use, aliquot and freeze at -80 centigrade.
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GENE INFORMATION

Gene Name	CD1a molecule [Homo sapiens (human)]
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Official Symbol	CD1A
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Synonyms	R4; T6; CD1; FCB6; HTA1; CD1A
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Gene ID	909
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mRNA Refseq	NM_001763.2
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Protein Refseq	NP_001754.2
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MIM	188370
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UniProt ID	P06126
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