

Recombinant Human CD1E Protein, His-tagged

Cat. No. CD1E-151H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD1e molecule(CD1E), transcript variant 8(NM_001185115), 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 within Golgi compartments, endosomes, and lysosomes, and is cleaved into a stable soluble form. The soluble form is required for the intracellular processing of some glycolipids into a form that can be presented by other CD1 family members. Many alternatively spliced transcript variants encoding different isoforms have been described. Additional transcript variants have been found; however, their biological validity has not been determined.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.232, without any preservatives.

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Molecular Mass	32.3 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.
GENE INFORMATION	
Gene Name	CD1E CD1e molecule [Homo sapiens]
Official Symbol	CD1E
Synonyms	CD1E; CD1e molecule; CD1e antigen , CD1E antigen, e polypeptide; T-cell surface glycoprotein CD1e, membrane-associated; R2G1; hCD1e; thymocyte antigen CD1E; CD1E antigen, e polypeptide; leukocyte differentiation antigen; differentiation antigen CD1-alpha-3; R2; CD1A; FLJ17609;
Gene ID	913
mRNA Refseq	NM_001042583
Protein Refseq	NP_001036048
MIM	188411
UniProt ID	P15812

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