

## Recombinant Human CD1E Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD1e molecule(CD1E), transcript variant 8(NM_001185115), with a His tag, was expressed in human cells.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	<p>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.</p>
<b>Form</b>	Purified protein formulated in a sterile solution of TBS buffer, pH7.232, without any preservatives.

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<b>Molecular Mass</b>	32.3 kDa
<b>Endotoxin</b>	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
<b>Purity</b>	>90% by SDS-PAGE gel and Coomassie Blue staining
<b>Applications</b>	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

## GENE INFORMATION

<b>Gene Name</b>	CD1E CD1e molecule [ Homo sapiens ]
<b>Official Symbol</b>	CD1E
<b>Synonyms</b>	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;
<b>Gene ID</b>	913
<b>mRNA Refseq</b>	NM_001042583
<b>Protein Refseq</b>	NP_001036048
<b>MIM</b>	188411
<b>UniProt ID</b>	P15812

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