

Recombinant Human CD1C Protein, DYKDDDDK-tagged

Cat. No. CD1C-151H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD1c molecule(CD1C)(NM_001765), with a DYKDDDDK 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 is broadly distributed throughout the endocytic system via a tyrosine-based motif in the cytoplasmic tail. Alternatively spliced transcript variants of this gene have been observed, but their full-length nature is not known.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.234, without any preservatives.
Molecular Mass	35.7 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)

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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	CD1C CD1c molecule [Homo sapiens]
Official Symbol	CD1C
Synonyms	CD1C; CD1c molecule; CD1, CD1c antigen , CD1C antigen, c polypeptide; T-cell surface glycoprotein CD1c; CD1C antigen, c polypeptide; cortical thymocyte antigen CD1C; differentiation antigen CD1-alpha-3; R7; CD1; CD1A; BDCA1;
Gene ID	911
mRNA Refseq	NM_001765
Protein Refseq	NP_001756
MIM	188340
UniProt ID	P29017