

Recombinant Human CD1C Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CD1C-5519H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD1C MS Standard C13 and N15-labeled recombinant protein (NP_001756) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	37.7 kDa
AA Sequence	MLFLQFLLLALLLPGGDNADASQEHVSFHVIFSFVNQSWARGQGSGWLDELQTH GWDSSESGTIIFLHNWSKGNFSNEELSDLELLFRFYLFGLTREIQDHASQDYSKYPFE VQVKAGCELHSGKSPEGFFQVAFNGLDLLSFQNTTWVPSPGCGSLAQSVCHLLNH

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QYEGVTETVYNLIRSTCPRFLLGLLDAGKMYVHRQVRPEAWLSSRPSLGSGQLLL
 CHASGFYPPKPVWVTWMRNEQEQLGTHGDILPNADGTWYLQVILEVASEEPAGLS
 CRVRHSSLGGQDIILYWGHHFSMNWIALVVIVPLVILIVLVLWFKKHCSYQDILTRTRP
 LEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CD1C CD1c molecule [Homo sapiens (human)]

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

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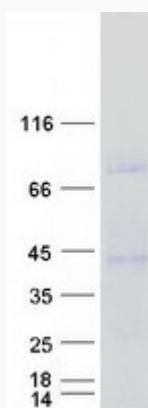
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MIM 188340

UniProt ID P29017

SDS-PAGE



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