

Recombinant Human CD1C

Cat. No. CD1C-26669TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human CD1c (amino acids 77-185) with N terminal proprietary tag, 37.62kDa.
Species	Human
Source	Wheat Germ
ProteinLength	109 amino acids
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 Weight	37.620kDa inclusive of tags
Tissue specificity	Expressed on cortical thymocytes, on certain T-cell leukemias, and in various other tissues.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	SNEELSDLELLFRFYLFGLTREIQDHASQDYSKYPFEVQV KAGCELHSGKSPEGFF QVAFNGLDLLSFQNTTWVPSPGCG SLAQSVCHLLNHQYEGVTETVYNLIRSTC
Sequence Similarities	Contains 1 Ig-like (immunoglobulin-like) domain.

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;
Gene ID	911
mRNA Refseq	NM_001765
Protein Refseq	NP_001756
MIM	188340

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Uniprot ID	P29017
Chromosome Location	1q22-q23
Pathway	Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem;
Function	endogenous lipid antigen binding; exogenous lipid antigen binding; glycolipid binding; lipopeptide binding;

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