

## Recombinant Human CD1A protein, GST-tagged

**Cat. No.** CD1A-27866TH    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD1A(1 a.a. - 311 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-311 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | 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 to the plasma membrane and to recycling vesicles of the early endocytic system. Alternative splicing results in multiple transcript variants. |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 59.95 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MWNWLKEPLSFHVIWIASFYNHWSWKQNLVSGWLSDLQHTWDSNSSTIVFLWPWS<br>RGNFSNEEWKELETFRIRTIRSFEGIRRYAHELQFEYPFEIQVTGGCELHSGKVSGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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FLQLAYQGSDFVSFQNNSWLPYPVAGNMAKHFCKVLNQNQHENDITHNLLSDTCP  
 RFILGLLDAGKAHLQRQVKPEAWLSHGSPGPGHLQLVCHVSGFYKPKPVWVMWM  
 RGEQEQQGTQRGDILPSADGTWYLRATLEVAAGEAADLSCRVKHSSLEGQDIVLY  
 WEHHSSVGFILAVIVPLLLLIGLALWFRKRCFC

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name**

CD1A CD1a molecule [ Homo sapiens ]

**Official Symbol**

CD1A

**Synonyms**

CD1A; CD1a molecule; CD1, CD1a antigen , CD1A antigen, a polypeptide; T-cell surface glycoprotein CD1a; hTa1 thymocyte antigen; CD1A antigen, a polypeptide; cluster of differentiation 1 A; T-cell surface antigen T6/Leu-6; cortical thymocyte antigen CD1A; differentiation antigen CD1-alpha-3; epidermal dendritic cell marker CD1a; R4; T6; CD1; FCB6; HTA1;

**Gene ID**

909

**mRNA Refseq**

NM\_001763

**Protein Refseq**

NP\_001754

**MIM**

188370

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UniProt ID

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