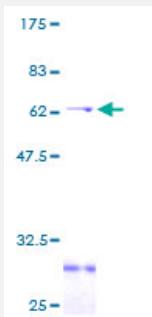


Full-Length

CD1A (Human) Recombinant Protein (P01)

Catalog # H00000909-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CD1A full-length ORF (AAH31645, 1 a.a. - 311 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MWNWLKEPLSFHVIWIASFYNHSWKQNLVSGWLSQLQTHTWDSNSSTIVLWPWSRGNFSNEEWKELETLFRIRTIRSSEGIRRYAHELQFEYPFEIQVTGGCELHSKGKVSGSFLQLAYQGSDFVSFQNNSWLPYPVAGNMAKHFCVKVLNQNQHENDITHNLLSDTCPRFILGLLDAGKAHLQRQVKPEAWLSHGPSPGPGHLQLVCHVSGFYPKPVWVMWMRGEQQQGTQRGDILPSADGTWYLRTLEVAAGEAADLSCRVKHSSLEGQDIVLYWEHHSSVGFIILAVIVPLLLLIGLALWFRKRCFC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	59.95
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CD1A

Entrez GenelD	909
GeneBank Accession#	BC031645
Protein Accession#	AAH31645
Gene Name	CD1A
Gene Alias	CD1, FCB6, HTA1, R4, T6
Gene Description	CD1a molecule
Omim ID	188370
Gene Ontology	Hyperlink
Gene Summary	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. Alternatively spliced transcript variants have been observed, but their biological validity has not been determined. [provided by RefSeq]
Other Designations	CD1A antigen CD1A antigen, a polypeptide OTTHUMP00000018907 T-cell surface antigen T6/Leu-6 T-cell surface glycoprotein CD1a cluster of differentiation 1 A cortical thymocyte antigen CD1A differentiation antigen CD1-alpha-3 epidermal dendritic cell marker

Publication Reference

- [Human binding molecule against CD1A.](#)

Throsby, Mark; Van Meijer, Marja; Germeraad V, Wilfred T. ; Arceci, Robert J. ; Kruisbeek, Ada M.
United States Patent Application 2006 Nov; US20060257397A1.

Application: Func, Anti-CD1a Antibody

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Campylobacter Infections](#)
- [Genetic Predisposition to Disease](#)
- [Guillain-Barre Syndrome](#)
- [Lung Diseases](#)
- [Mycobacterium Infections](#)
- [Polyradiculoneuropathy](#)