

CD1B (Human) Recombinant Protein

Catalog # P9633

Size 2 x 10 ug

Specification

Product Description	Human CD1B (P29016, 18 a.a. - 303 a.a.) partial recombinant protein with His tag at N-terminus expressed in <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMSEHAFQGPTSFHVIQTSSFTNSTWAQTQGSGLDDLQIH GWDSDSGTAIFLKPWSKGNFSDKEVAELEEIFRVYIFGFAREVQDFAGDFQMKYPFEIQGIAGCEL HSGGAMVSFLRGALGGLDFLSVKNASCVPSPEGGSSRAQKFCALIIQYQGIMETVRILLYETCPRYLL GVLNAGKADLQRQVKPEAWLSSGPPSPGPRLQLVCHVSGFYKPVVWMMWRGEQEQQGTQL GDILPNANWTWYLRATLDVADGEAAGLSCRVKHSSLEGQDIILYWRNPTSIGS
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	34.2
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 90.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Tris-HCl pH 8.0 (1 mM DTT, 0.2 M NaCl and 20% glycerol)
Storage Instruction	Store at 2°C to 8°C for 2-4 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CD1B

Entrez GeneID	910
Protein Accession#	P29016
Gene Name	CD1B
Gene Alias	CD1, CD1A, MGC125990, MGC125991, R1
Gene Description	CD1b molecule
Omim ID	188360
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 late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail, and requires vesicular acidification to bind lipid antigens. [provided by RefSeq]
Other Designations	CD1B antigen CD1B antigen, b polypeptide OTTHUMP00000018908 T-cell surface glycoprotein CD1b cortical thymocyte antigen CD1B differentiation antigen CD1-alpha-3

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Lung Diseases](#)
- [Mycobacterium Infections](#)