

CD1D (Human) Recombinant Protein

Catalog # P9634

Size 5 ug

Specification

Product Description	Human CD1D (P15813, 20 a.a. - 301 a.a.) partial recombinant protein with His tag at C-terminus expressed in Sf9 cells.
Sequence	EVPQRLFPLRCLQISSFANSSWTRTDGLAWLGELQTHSWSNDSDTVRSCLKPWSQGTFSDQQWE TLQHIFRVYRSSFTRDVKEFAKMLRLSYPLELQVSAGCEVHPGNASNNFFHVAFQGKDILSFQGT SWEPTQEAPLWVNLAIQVLNQDKWTRETVQWLLNGTCPQFVSGLLESGKSEL KKQVKPKAWL SRGPSPGPGRRLLLVCHVSGFYKPVVWKWMERGEQEQQGTQPGDILPNADETWYLRLDLDVAG EAAGLSCRVKHSSLEGQDMLYWGGSYTSLEHHHHHH
Host	insect
Theoretical MW (kDa)	32.9
Form	Liquid
Preparation Method	Sf9 cell expression system
Purity	> 85.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS pH 7.4 (10% 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 — CD1D

Entrez GeneID	912
Protein Accession#	P15813
Gene Name	CD1D
Gene Alias	CD1A, MGC34622, R3
Gene Description	CD1d molecule
Omim ID	188410
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a divergent 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. [provided by RefSeq]
Other Designations	CD1D antigen CD1D antigen, d polypeptide HMC class I antigen-like glycoprotein CD1D OTTHU MP00000024053 T-cell surface glycoprotein CD1d differentiation antigen CD1-alpha-3 thymocyte antigen CD1D

Pathway

- [Hematopoietic cell lineage](#)

Disease

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