

## Product datasheet for **AR51429PU-N**

### CD1e (His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	CD1e (His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSEEQLSFR MLQTSSFANH SWAHSEGSGW LGDLQTHGWD TVLGTIRFLK PWSHG NFSKQ ELKNLQSLFQ LYFHFSFIQIV QASAGQFQLE YPFEIQILAG CRMNAPQIFL NMAYQGSDFL SFQGISWEPS PGAGIRAQNI CKVLNRYLDI KEILQSLLGH TCPRFLAGLM EAGESELKRK VKPEAWLSCG PSPGPGRLQL VCHVSGFYFK PVVWMMWRGE QEQRGTQRGD VLPNADETWY LRATLDVAAG EAAGLSCRVK HSSLGGHDLI IHWGGYS
Tag:	His-tag
Predicted MW:	33.1 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CD1E protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001036048</a>
Locus ID:	913
UniProt ID:	<a href="#">P15812</a> , <a href="#">A2RRL5</a>
Cytogenetics:	1q23.1
Synonyms:	CD1A; R2



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**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 within Golgi compartments, endosomes, and lysosomes, and is cleaved into a stable soluble form. The soluble form is required for the intracellular processing of some glycolipids into a form that can be presented by other CD1 family members. Many alternatively spliced transcript variants encoding different isoforms have been described. Additional transcript variants have been found; however, their biological validity has not been determined. [provided by RefSeq, Jun 2010]

**Protein Families:**

Druggable Genome, Transmembrane

**Protein Pathways:**

Hematopoietic cell lineage

**Product images:**