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32-3446: CD1E Recombinant Protein

Alternative Name : CD1A,R2,T-cell surface glycoprotein CD1e,membrane-associated,R2G1,sCD1e.

Description

Source : Escherichia Coli. CD1E Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 297 amino acids (32-305 a.a) and having a molecular mass of 33.1kDa.CD1E is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. CD1E belongs to the CD1 family of transmembrane glycoproteins which are structurally associated to the main MHC (histocompatibility complex) 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 is comprised of 5 CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are belief to differ in their cellular localization and specificity for particular lipid ligands. CD1E localizes within Golgi compartments, endosomes, and lysosomes, and is cleaved into a steady soluble form. The soluble form is necessary for the intracellular processing of some glycolipids into a form that can be presented by other CD1 family members.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	CD1E protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.