



Catalog Number: PR27289

Product Type: Recombinant Protein

Source: E. Coli

Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MGSMSEHAFQ GPTSFHVIQT SSFTNSTWAQ TQGSGLWDDL QIHGWSDSDG TAIFLKPWSK GNFSKDKEVAE LEEIFRVYIF GFAREVQDFA GDFQMKYPFE IQGIAGCELH SGGAIVSFLR GALGGLDFLS VKNASCVPSP EGGSRQKFC ALIIYQGIM ETVRILLYET CPRYLLGVLN AGKADLQRQV KPEAWLSSGP SPGPGRLQLV CHVSGFYPKP VVVMWVRGEQ EQQGTQLGDI LPNANWTWYL RATLDVADGE AAGLSCRVKH SSLEGQDIIL YWRNPTSIGS.

Description/Molecular Mass: CD1B belongs to CD1 family of transmembrane glycoproteins, which are structurally associated with the MHC proteins and form heterodimers with the beta-2-microglobulin. CD1B includes one Ig-like domain. CD1B is an antigen-presenting protein which connects self and nonself lipid and glycolipid antigens and displays them to T-cell receptors on natural killer T-cells.

Purity: CD1B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 310 amino acids (18-303a.a.) and having a molecular mass of 34.2kDa. CD1B is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Greater than 90.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: CD1B protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 1mM DTT.

Storage: 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.

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