

HUMAN CD1A PROTEIN, HFC TAG

货号: 11635

产品全名: 人 CD1A 蛋白

规格: 10/50/100 µg

基因符号 CD1;FCB6;HTA1;R4;T6

目标蛋白: CD1A

UNIPROT ID: P06126

描述: Recombinant human CD1A protein with C-terminal human Fc tag

背景: 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 the plasma membrane and to recycling vesicles of the early endocytic system. Alternative splicing results in multiple transcript variants.

物种/宿主: HEK293

分子量: The protein has a predicted molecular mass of 56.76 kDa after removal of the signal peptide.

分子特征: CD1A(Asn17-Val300) hFc(Glu99-Ala330)

纯化: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

储存和运输: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.