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Product Information

MemDX™ Membrane Protein Human CD1E (CD1e molecule) Full Length

Cat. No.: **MPC2772K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human CD1E membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
CD1E

Protein Length
Full length

Protein Class
Immunity

TMD
1

Sequence
MLLLFLLFEGLCCPGENTAAPQALQSYHLAAEEQLSFRMLQTSSFANHSW
AHSEGSGWLGDLQTHGWDTVLGTIRFLKPWSHGNFSKQELKNLQSLFQLY
FHSFIQIVQASAGQFQLEYPFEIQILAGCRMNAPQIFLNMAYQGSDFLSF
QGISWEPSPGAGIRAQNICKVLNRYLDIKEILQSLLGHTCPRFLAGLMEA
GESELKRKVKPEAWLSCGPSPGPGRLQLVCHVSGFYPKPVWVMWMRGEQE
QRGTQRGDVLPNADETWYLRATLDVAAGEAAGLSCRVKHSSLGGHDLIIH
WGGYSIFLILICLTVIVTLVILVVVDSRLKKQSSNKNILSPHTPSPVFLM
GANTQDTKNSRHQFCLAQVSWIKNRVLKKWKTRLNQLW

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format
Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CD1E

Full Name

CD1e molecule

Introduction

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.

Alternative Names

CD1E; R2; CD1A; T-cell surface glycoprotein CD1e, membrane-associated; CD1E antigen, e polypeptide; R2G1; differentiation antigen CD1-alpha-3; hCD1e; leukocyte differentiation antigen; thymocyte antigen CD1E; CD1e molecule

Gene ID

913

UniProt ID

P15812

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