Recombinant Human CD1D & B2M protein, His-tagged

Cat. No. CD1D & B2M-250H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD1D & B2M protein(P15813 & P61769)(Met1-Ser301 & Met1-Met119), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Ser301 & Met1-Met119
Form	Lyophilized from sterile PBS, pH 7.4.Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Molecular Mass	The recombinant heterodimer of human CD1D/B2M comprises 393 (293+100) amino acids and has a calculated molecular mass of 45 (33.3+ 11.7) KDa. The apparent molecular mass of rh CD1D/B2M heterodimer is approximately 43.2 and 12.5 KDa respectively in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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	be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CD1D CD1d molecule [Homo sapiens]
Official Symbol	CD1D
Synonyms	CD1D; CD1d molecule; CD1d antigen , CD1D antigen, d polypeptide; antigen-presenting glycoprotein CD1d; R3G1; thymocyte antigen CD1D; CD1D antigen, d polypeptide; T-cell surface glycoprotein CD1d; differentiation antigen CD1-alpha-3; HMC class I antigen-like glycoprotein CD1D; R3; CD1A; MGC34622;
Gene ID	912
mRNA Refseq	NM_001766
Protein Refseq	NP_001757
MIM	188410
UniProt ID	P15813

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