

## Recombinant Mouse Cd1d1 & B2M protein, His-tagged

**Cat. No.** Cd1d1-3280M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse Cd1d1 (NP_031665.2) (Met1-Ser297) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; Recombinant mouse B2M (P01887) (Met1-Met119) constructed the plasmid 2. The two plasmids were co-expressed and the mouse Cd1d1/B2M heterodimer was purified.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-297;1-119 a.a.
<b>CommonName</b>	Cd1d1
<b>Predicted N Terminal</b>	Gln 22 & Ile 21
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.
<b>Molecular Mass</b>	The recombinant heterodimer of mouse Cd1d1/B2M comprises 394 (295+99) amino acids and has a calculated molecular mass of 45.4 (33.7+ 11.7) KDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.

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**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 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 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.

**Shipping** In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

## GENE INFORMATION

**Gene Name** Cd1d1 CD1d1 antigen [ *Mus musculus* ]

**Official Symbol** Cd1d1

**Synonyms** CD1D1; CD1d1 antigen; antigen-presenting glycoprotein CD1d1; T-cell surface glycoprotein CD1d1; Cd1a; Cd1d; CD1.1; Ly-38; AI747460;

**Gene ID** 12479

**mRNA Refseq** NM\_007639

**Protein Refseq** NP\_031665

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