

Recombinant Mouse Lmbrd1 Protein, Myc/DDK-tagged

Cat. No. Lmbrd1-3800M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length LMBR1 domain containing 1 (Lmbrd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Lysosomal membrane chaperone required to export cobalamin (vitamin B12) from lysosome to the cytosol, allowing its conversion to cofactors. Targets ABCD4 transporter from the endoplasmic reticulum to the lysosomal membrane. Then forms a complex with lysosomal transporter ABCD4 and cytoplasmic MMACHC to transport cobalamin across the lysosomal membrane.
Molecular Mass	53.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Lmbrd1 LMBR1 domain containing 1 [Mus musculus (house mouse)]
Official Symbol	Lmbrd1
Synonyms	Lmbrd1; LMBR1 domain containing 1; LMBD1; AV347960; 0910001K20Rik; lysosomal cobalamin transport escort protein LMBD1; LMBR1 domain-containing protein 1; probable lysosomal cobalamin transporter; protein N90b
Gene ID	68421
mRNA Refseq	NM_026719
Protein Refseq	NP_080995
UniProt ID	Q8K0B2

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