

Recombinant Human LAMP2 Protein, His-tagged

Cat. No. LAMP2-233H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LAMP2(29-375aa) fused with His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	29-375aa
Description	LAMP2, also known as lysosome-associated membrane glycoprotein 2 isoform A, is a major component of lysosomal membranes. It provides selectins with carbohydrate ligands. This protein mediates the lysosomal uptake of the chaperone HSC73 in complex with cargo proteins and is required for the lysosomal destruction of autophagic vacuoles. Deficiency of LAMP2 is a rare X-linked lysosomal disease characterized by cardiomyopathy, vacuolar myopathy, and mental retardation.
Predicted N Terminal	Ala
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	39.4kDa (356aa) 57-70KDa (SDS-PAGE under reducing conditions.)
AA Sequence	ADPLELNLTQ SENATCLYAK WQMNFTVRYE TTNKTYKTVT ISDHGTVTYN GSICGDDQNG PKIAVQFGPG FSWIANFTKA ASTYSIDSVS FSYNTGDNTT FPDAEDKGIL TVDELLAIRI PLNDLFR CNS LSTLEKNDVV

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QHYWDVLVQA FVQNGTVSTN EFLCDKDKTS TVAPTIHTTV
 PSPTTTPPK EKPEAGTYSV NNGNDTCLLA TMGLQLNITQ DKVASVININ
 PNTTHSTGSC RSHTALLRLN SSTIKYLDFV FAVKNENRFY
 LKEVNISMVYL VNGSVFSIAN NNLSYWDAPL GSSYMCNKEQ TVSVSGAFQI
 NTFDLRVQPF NVTQGKYSTA QDCSADDDNF HHHHHH

Purity > 90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Absorbance at 280)

GENE INFORMATION

Gene Name LAMP2 lysosomal-associated membrane protein 2 [Homo sapiens]

Official Symbol LAMP2

Synonyms LAMP2; lysosomal-associated membrane protein 2; lysosome-associated membrane glycoprotein 2; CD107b; CD107 antigen-like family member B; lysosome-associated membrane protein 2; LAMPB; LAMP-2; LGP110;

Gene ID 3920

mRNA Refseq NM_001122606

Protein Refseq NP_001116078

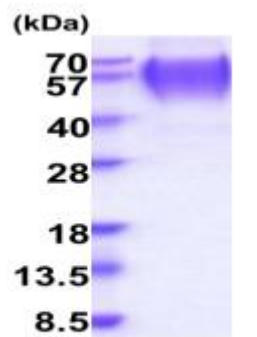
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MIM 309060

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