

Product information

LAMP2, 29-375aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3680

Full name: Lysosome-associated membrane glycoprotein 2 isoform A

NCBI Accession No.: NP_002285

Synonyms: LAMP2, CD107b, LAMP-2, LAMPB, LGP-96, LGP110

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. Recombinant human LAMP2 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 39.4kDa (356aa)

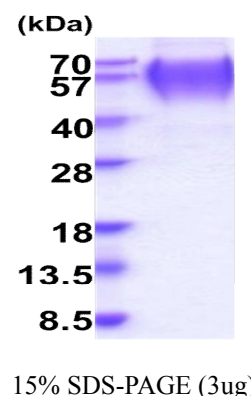
57-70KDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Ala

Purity: > 90% by SDS - PAGE.

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

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



Sequences of amino acids:

ADPLELNLTD SENATCLYAK WQMNFVRYE TTNKTYKTVT ISDHGTVTYN GSICGDDQNG PKIAVQFGPG FSWIANFTKA ASTYSIDSVS
FSYNTGDNTT FPD AEDKGIL TVDELLAIRI PLNDFRCNS LSTLEKNDVV QHYWDVLVQA FVQNGTVSTN EFLCDKDKTS TVAPT IHTTV
PSPTTTPTPK EKPEAGTYSV NNGNDTCLLA TMGLQLNITQ DKVASVININ PNTTHSTGSC RSHTALLRLN SSTIKYLDV FAVKNENRFY
LKEVNISMYL VNGSVFSIAN NNL SYWDAPL GSSYMCNKEQ TVSVSGAFQI NTFDLRVQPF NVTQGYSTA QDCSADDNF HHHHHH

General references:

Mello AS., *et al*, (2014) *Mol Cell Biochem.* 385:1-6.

Damaghi M., *et al*, (2015) *Nat Commun.* 6:8752.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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Product information

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

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