

Recombinant Human LAMP2

Cat. No. LAMP2-27946TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 30-127 of Human LAMP2 with a N terminal propriatery tag; predicted MWt 6.41 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	98 amino acids
Description	The protein encoded by this gene is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may play a role in tumor cell metastasis. It may also function in the protection, maintenance, and adhesion of the lysosome. Alternative splicing of this gene results in multiple transcript variants encoding distinct proteins.
Molecular Weight	36.410kDa inclusive of tags
Tissue specificity	Isoform LAMP-2A is highly expressed in placenta, lung and liver, less in kidney and pancreas, low in brain and skeletal muscle. Isoform LAMP-2B is highly expressed in skeletal muscle, less in brain, placenta, lung, kidney and pancreas, very low in liver.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	ELNLTDSENATCLYAKWQMNFTVRYETTNTKYKTVTISDHGTVTYNGSICGDDQNG PKIAVQFGPGFSWIANFTKAASTYSIDSVSFSYNTGDNTTFP
Sequence Similarities	Belongs to the LAMP family.

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;
Gene ID	3920
mRNA Refseq	NM_001122606
Protein Refseq	NP_001116078
MIM	309060
Uniprot ID	P13473
Chromosome Location	Xq24-q25

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Pathway

Hemostasis, organism-specific biosystem; Lysosome, organism-specific biosystem;
Lysosome, conserved biosystem; Phagosome, organism-specific biosystem;
Phagosome, conserved biosystem;

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