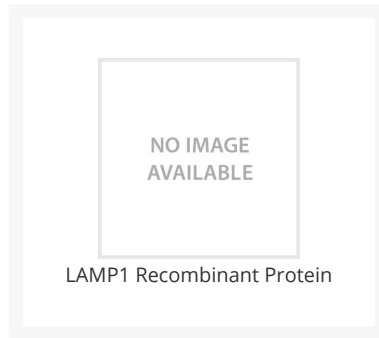




LAMP1 Recombinant Protein

Cat. No.: 91-436



Ψ Specifications

SPECIES:	Human
SOURCE SPECIES:	Human Cells
SEQUENCE:	Ala29-Met382
FUSION TAG:	C-6 His tag
TESTED APPLICATIONS:	
APPLICATIONS:	This recombinant protein can be used for biological assays. For research use only.
PREDICTED MOLECULAR WEIGHT:	39.42 kD

Ψ Properties

PURITY:	Greater than 95% as determined by reducing SDS-PAGE. Endotoxin level less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
PHYSICAL STATE:	Lyophilized
BUFFER:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.2. It is not recommended to reconstitute to a concentration less than 100 ug/ml. Dissolve the lyophilized protein in ddH2O.

STORAGE CONDITIONS:	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
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Ψ Additional Info

OFFICIAL SYMBOL:	LAMP1
ALTERNATE NAMES:	Lysosome-Associated Membrane Glycoprotein 1, LAMP-1, Lysosome-Associated Membrane Protein 1, CD107 Antigen-Like Family Member A, CD107a, LAMP1
ACCESSION NO.:	P11279
GENE ID:	3916

Ψ Background and References

BACKGROUND:	Lysosome-Associated Membrane Glycoprotein 1 (LAMP1) is a single-pass type I membrane protein belonging to the LAMP family. LAMP1 is expressed largely in the endosome-lysosome membranes of cells. It shuttles between lysosomes, endosomes, and the plasma membrane. LAMP1 functions to present carbohydrate ligands to selectins and it has also been implicated in tumor cell metastasis. It has been proposed LAMP1 can be used as a therapeutic agent for certain cancers, as well as a marker for lysosomal storage disorders and degranulation on lymphocytes such as CD8+ and NK cells. Cell surface LAMP1 and LAMP2 have been shown to promote adhesion of human peripheral blood mononuclear cells (PBMC) to vascular endothelium, therefore they are possibly involved in the adhesion of PBMCs to the site of inflammation.
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