Product Name: Recombinant Human LAMP1 (C-6His)
Catalog #: PHH0280

Summary

Name	LAMP1/CD107a/Lysosome-associated Membrane Glycoprotein 1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Lysosome-Associated Membrane Glycoprotein 1 is produced by our Mammalian expression system and the target gene encoding Ala29-Met382 is expressed with a 6His tag at the C-terminus.
Accession #	P11279
Host	Human Cells
Species	Human
Predicted Molecular Mass	39.42 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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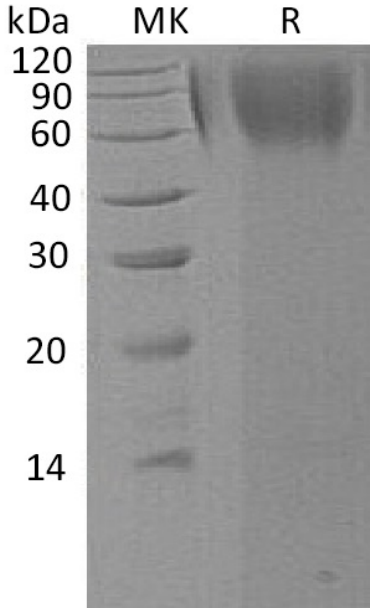

Alternative Names

Lysosome-Associated Membrane Glycoprotein 1; LAMP-1; Lysosome-Associated Membrane Protein 1; CD107 Antigen-Like Family Member A; CD107a; LAMP1

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.

Note

For Research Use Only , Not for Diagnostic Use.