Product Name: Recombinant Human LAMP2 (C-6His)
Catalog #: PHH1064

Summary

Name	LAMP2/CD107b/Lysosome-associated membrane glycoprotein 2
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 2 is produced by our Mammalian expression system and the target gene encoding Leu29-Ile375 is expressed with a 6His tag at the C-terminus.
Accession #	P13473
Host	Human Cells
Species	Human
Predicted Molecular Mass	39.4 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	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
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.

SDS-PAGE image

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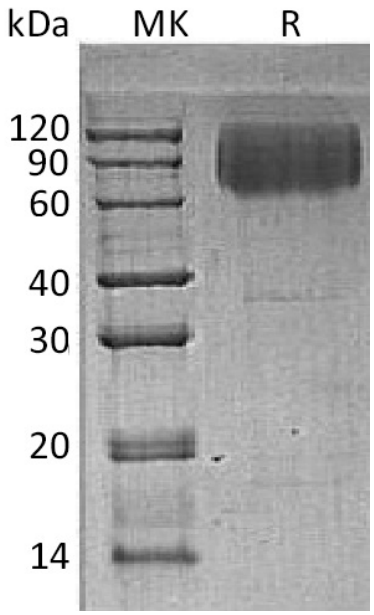

Alternative Names

Lysosome-Associated Membrane Glycoprotein 2; LAMP-2; Lysosome-Associated Membrane Protein 2; CD107 Antigen-Like Family Member B; CD107b; LAMP2

Background

Lysosomal Associated Membrane Protein 2 (LAMP2) is a major component of lysosomal membranes. LAMP2 is a transmembrane glycoprotein about 110kDa. Mature human LAMP2 consists of a 347 amino acid (aa) intralumenal domain, a 24 aa transmembrane segment, and a 35 aa cytoplasmic tail . The lumenal domain is organized into two heavily N-glycosylated regions. Alternate splicing generates a human LAMP2 isoform (LAMP2B) with a substituted juxtamembrane lumenal region, cytoplasmic tail and transmenmbrane segment.LAMP2 itself can cleavage lysosomal luminal domain and degradation lysosomal. In the help of chaperone HSC73,LAMP2 mediates the lysosomal uptake in complex with cargo proteins and is required for the lysosomal destruction of autophagic vacuoles.

Note

For Research Use Only , Not for Diagnostic Use.