

Recombinant Human LAMP1 protein(Met1-Met382), His-tagged

Cat. No. LAMP1-2263H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LAMP1 (NP_005552.3) (Met 1-Met 382) was expressed in HEK293, with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-382 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human LAMP1 consists of 365 amino acids and predicts a molecular mass of 39.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhLAMP1 is approximately 60-100 kDa due to high levels of glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	≥ 95 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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1/2

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	LAMP1 lysosomal-associated membrane protein 1 [Homo sapiens]
Official Symbol	LAMP1
Synonyms	LAMP1; lysosomal-associated membrane protein 1; lysosome-associated membrane glycoprotein 1; CD107a; LAMP-1; CD107 antigen-like family member A; lysosome-associated membrane protein 1; LAMPA; LGP120;
Gene ID	3916
mRNA Refseq	NM_005561
Protein Refseq	NP_005552
MIM	153330
UniProt ID	P11279

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