

## Recombinant Rat Lamp1 protein(Met1-Asn371), hFc-tagged

**Cat. No.** Lamp1-7467R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat LAMP1 (P14562) (Met1-Asn371) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.                                                                                                                                        |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | Met1-Asn371                                                                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                         |
| <b>Molecular Mass</b>   | The recombinant Rat LAMP1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 591 amino acids and has a predicted molecular mass of 65.1 kDa. The apparent molecular mass of the protein is approximately 123 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                         |
| <b>Purity</b>           | > 92 % as determined by SDS-PAGE                                                                                                                                                                                                                                       |
| <b>Storage</b>          | 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.                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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 \[ Rattus norvegicus \]](#)

**Official Symbol** [Lamp1](#)

**Synonyms** LAMP1; lysosomal-associated membrane protein 1; lysosome-associated membrane glycoprotein 1; LAMP-1; LGP-120; lysosomal membrane glycoprotein 1; CD107 antigen-like family member A; lysosome-associated membrane protein 1; 120 kDa lysosomal membrane glycoprotein; Lysosomal associated membrane protein 1 (120 kDa); LGP120;

**Gene ID** [25328](#)

**mRNA Refseq** [NM\\_012857](#)

**Protein Refseq** [NP\\_036989](#)

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