

## Recombinant Human LAMP2 protein, GST-tagged

**Cat. No.** LAMP2-3727H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Recombinant Human LAMP2 protein(29-230 aa), fused to GST tag, was expressed in E. coli.                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 29-230 aa                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH. |
| <b>AA Sequence</b>      | LELNLTDSENATCLYAKWQMNFVRYETTNTKTYKTVTISDHGTVTYNGSICGDDQN<br>GPKIAVQFGPGFSWIANFTKAASTYSIDSVSFSYNTGDNTTFPDAEDKGILTVDELLAI<br>RIPLNDLFRCNLSLTLEKNDVVQHYWDVLVQAFVQNGTVSTNEFLCDKDKTSTVAPT<br>IHTTVPSPTTTPTPKEKPEAGTYSVNNGND                                                       |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                     |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                         |

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| <b>Reconstitution</b> | Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.<br>Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage. |
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## GENE INFORMATION

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|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | LAMP2 lysosomal-associated membrane protein 2 [ Homo sapiens ]                                                                                                                                          |
| <b>Official Symbol</b> | LAMP2                                                                                                                                                                                                   |
| <b>Synonyms</b>        | LAMP2; lysosomal-associated membrane protein 2; lysosome-associated membrane glycoprotein 2; CD107b; CD107 antigen-like family member B; lysosome-associated membrane protein 2; LAMPB; LAMP-2; LGP110; |
| <b>Gene ID</b>         | 3920                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_001122606                                                                                                                                                                                            |
| <b>Protein Refseq</b>  | NP_001116078                                                                                                                                                                                            |
| <b>MIM</b>             | 309060                                                                                                                                                                                                  |
| <b>UniProt ID</b>      | P13473                                                                                                                                                                                                  |