

## Recombinant Human LAMP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LAMP2-3391H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | LAMP2 MS Standard C13 and N15-labeled recombinant protein (NP_054701) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | The protein encoded by this gene is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may play a role in tumor cell metastasis. It may also function in the protection, maintenance, and adhesion of the lysosome. Alternative splicing of this gene results in multiple transcript variants encoding distinct proteins.                                                                                           |
| <b>Molecular Mass</b>   | 45 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MVCFRLFPVPGSGLVLVCLVLGAVRSYALELNLTDSENATCLYAKWQMNFTVRYET<br>TNKTYKTVTISDHGTVTYNGSICGDDQNGPKIAVQFGPGFSWIANFTKAASTYSIDSV<br>SFSYNTGDNTTFPDAEDKGILTVDELLAIRIPLNDLFRCSLSTLEKNDVVQHYWDVL<br>VQAFVQNGTVSTNEFLCDKDKTSTVAPTIHTTVPSPTTTPKEKPEAGTYSVNNGN<br>DTCLLATMGLQLNITQDKVASVININPNTTHSTGSCRSHTALLRLNSSTIKYLDVFVAV<br>KNENRFYLKEVNISMVYLVNGSVFSIANNNLSYWDAPLGSSYMCNKEQTVSVSGAFQI<br>NTFDLRVQPFNVTQGKYSTAQECSLDDDTILPIIVGAGLSGLIIVIVIAVYVIGRRKSYAG<br>YQTLTRTRPLEQKLISEEDLAANDILDYKDDDDKV |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

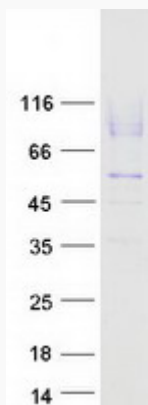
## GENE INFORMATION

|                        |                                                                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | LAMP2 lysosomal-associated membrane protein 2 [ Homo sapiens (human) ]                                                                                                                                  |
| <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_013995                                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_054701                                                                                                                                                                                               |
| <b>MIM</b>             | 309060                                                                                                                                                                                                  |
| <b>UniProt ID</b>      | P13473                                                                                                                                                                                                  |

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**SDS-PAGE**

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