

# Recombinant Human MAP1LC3C Protein, His-tagged

**Cat. No.** MAP1LC3C-2414H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MAP1LC3C Protein (Met1-Gly126) with a N-His tag was expressed in E. coli.                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Met1-Gly126                                                                                                                                                                                                                         |
| <b>Description</b>      | Autophagy is a highly regulated bulk degradation process that plays an important role in cellular maintenance and development. MAP1LC3C is an ortholog of the yeast autophagosome protein Atg8 (He et al., 2003 [PubMed 12740394]). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 18.3 kDa<br>Accurate Molecular Mass: 16 kDa                                                                                                                                                               |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                                                                      |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                               |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                          |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by                                                                                                                                                |

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

MAP1LC3C microtubule-associated protein 1 light chain 3 gamma [ Homo sapiens (human) ]

**Official Symbol**

MAP1LC3C

**Synonyms**

MAP1LC3C; microtubule-associated protein 1 light chain 3 gamma; microtubule-associated proteins 1A/1B light chain 3C; ATG8J; MAP1A/MAP1B LC3 C; LC3-like protein 2; MAP1A/MAP1B light chain 3 C; autophagy-related protein LC3 C; MAP1 light chain 3-like protein 2; MAP1 light chain 3-like protein 3; autophagy-related ubiquitin-like modifier LC3 C; LC3C;

**Gene ID**

440738

**mRNA Refseq**

NM\_001004343

**Protein Refseq**

NP\_001004343

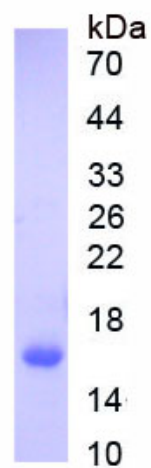
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MIM 609605

UniProt ID Q9BXW4



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