

Recombinant Human MAP1LC3C Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human MAP1LC3C Protein (Met1-Gly126) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Gly126
Description	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]).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.3 kDa Accurate Molecular Mass: 16 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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

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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

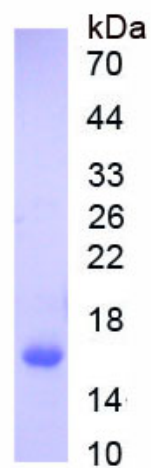
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MIM 609605

UniProt ID Q9BXW4



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