

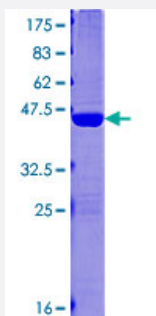
Full-Length

# MAP1LC3C (Human) Recombinant Protein (P01)

Catalog # H00440738-P01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human MAP1LC3C full-length ORF ( NP_001004343.1, 1 a.a. - 147 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MPPPQKIPSVRPFKQRKSLAIRQEEVAGIRAKFPNKIPVVVERYPRETFLPPLDGTKFLVPQELTMT QFLSIIRSRMVLRATEAFYLLVNNKSLVSMSATMAEYRDYKDEDGFVYMTYASQETFGCLES AAP RDGSSLEDRPCNPL
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	43.3
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — MAP1LC3C

Entrez GeneID [440738](#)

GeneBank Accession# [NM\\_001004343.1](#)

Protein Accession# [NP\\_001004343.1](#)

Gene Name MAP1LC3C

Gene Alias LC3C

Gene Description microtubule-associated protein 1 light chain 3 gamma

Gene Ontology [Hyperlink](#)

**Gene Summary** Autophagy is a highly regulated bulk degradation process that plays an important role in cellular maintenance and development. MAP1LC3C is 1 of 3 orthologs of the yeast autophagosome protein Atg8 (He et al., 2003 [PubMed 12740394]).[supplied by OMIM]

**Other Designations** LC3-like protein 2|MAP1 light chain 3-like protein 2|OTTHUMP00000037810

## Publication Reference

- [Co-chaperone BAG3 enters autophagic pathway via its interaction with microtubule associated protein 1 light chain 3 beta.](#)

Hagen Körschgen, Marius Baeken, Daniel Schmitt, Heike Nagel, Christian Behl.

Traffic (Copenhagen, Denmark) 2023 Sep; [Epub].

Application: Array, N/A, Oligopeptides

- [Diurnal Rhythms Spatially and Temporally Organize Autophagy.](#)

Ryzhikov M, Ehlers A, Steinberg D, Xie W, Oberlander E, Brown S, Gilmore PE, Townsend RR, Lane WS, Dolinay T, Nakahira K, Choi AMK, Haspel JA.

Cell Reports 2019 Feb; 26(7):1880.

Application: WB, Mouse, Mouse livers