

## Recombinant Human MAP1LC3B

**Cat. No.** MAP1LC3B-29219TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human LC3B expressed in <i>Saccharomyces cerevisiae</i> ; 125 amino acids, MWt 14.7 kDa. The protein contains a tag, increasing its size to 40 kDa.
<b>Species</b>	Human
<b>Description</b>	The product of this gene is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and important for neurogenesis. Studies on the rat homolog implicate a role for this gene in autophagy, a process that involves the bulk degradation of cytoplasmic component.
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MPSEKTFKQRRTFEQRVEDVRLIREQHPTKIPVIIERYKG EKQLPVLDTKFLVDPDHV NMSELIKIIRRLQLNANQA FFLLVNGHSMVSVSTPISEVYESEKDEDGFLYMVYAS Q ETFGMKLSV
<b>Full Length</b>	Full L.

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## GENE INFORMATION

<b>Gene Name</b>	MAP1LC3B microtubule-associated protein 1 light chain 3 beta [ Homo sapiens ]
<b>Official Symbol</b>	MAP1LC3B
<b>Synonyms</b>	MAP1LC3B; microtubule-associated protein 1 light chain 3 beta; microtubule-associated proteins 1A/1B light chain 3B; ATG8F;
<b>Gene ID</b>	81631
<b>mRNA Refseq</b>	NM_022818
<b>Protein Refseq</b>	NP_073729
<b>MIM</b>	609604
<b>Uniprot ID</b>	Q9GZQ8
<b>Chromosome Location</b>	16q24.2
<b>Pathway</b>	Senescence and Autophagy, organism-specific biosystem;
<b>Function</b>	protein binding;

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