

Recombinant Human MAP1LC3B protein, His-tagged

Cat. No. MAP1LC3B-3443H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAP1LC3B(1-120aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-120 a.a.
Description	Microtubule-associated proteins 1A/1B light chain 3B, also known as MAP1LC3B, belongs to the MAP1 LC3 family. It is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and important for neurogenesis. MAP1LC3B may also be involved in formation of autophagosomal vacuoles. It is expressed primarily in heart, testis, brain and skeletal muscle.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 100mM NaCl
Molecular Mass	16.2 kDa (140aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSHLQLNANQAFF LLVNGHSMVS VSTPISEVYE SEKDEDGFLY MVIASQETFG MPSEKTFKQR RTFEQRVEDV RLIREQHPTK IPVIERYKG EKQLPVLDKT KFLVPDHVNM SELIKIIRR

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Purity	>95% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	MAP1LC3B microtubule-associated protein 1 light chain 3 beta [Homo sapiens]
Official Symbol	MAP1LC3B
Synonyms	MAP1LC3B; microtubule-associated protein 1 light chain 3 beta; microtubule-associated proteins 1A/1B light chain 3B; ATG8F; MAP1A/MAP1B LC3 B; MAP1A/MAP1B light chain 3 B; MAP1 light chain 3-like protein 2; autophagy-related ubiquitin-like modifier LC3 B; LC3B; MAP1LC3B-a; MAP1A/1BLC3;
Gene ID	81631
mRNA Refseq	NM_022818
Protein Refseq	NP_073729
MIM	609604
UniProt ID	Q9GZQ8
Chromosome Location	16q24.2

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Pathway	Senescence and Autophagy, organism-specific biosystem;
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Function	protein binding;
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