

Recombinant Human MAP1LC3A, His-tagged

Cat. No. MAP1LC3A-2751H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MAP1LC3A protein, fused to His-tag at C-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW =15.1 kDa (128aa) confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	Microtubule-associated proteins 1A/1B light chain 3A isoform a, also known as MAP1LC3A, is one of the light chain subunits and can associate with either MAP1A or MAP1B. It plays critical roles in neuronal development and in maintaining the balance between neuronal plasticity and rigidity. MAP1LC3A is expressed as two alternatively spliced isoforms that are expressed in testis, brain, heart, liver and skeletal muscle, but are absent in thymus and peripheral blood leukocytes.
Sequences Of Amino Acids	MPSDRPFKQR RSFADRCKEV QQIRDQHPSK IPVIERYKG EKQLPVLDKT KFLVPDHVNM SELVKIIRRR LQLNPTQAFF LLVNQHSMVS VSTPIADIYE QEKDEDGFLY MUYASQETFG LEHHHHHH
Purity	> 95% by SDS – PAGE.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.1M NaCl.
Concentration	1 mg/ml (determined by Bradford assay).

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

MAP1LC3A microtubule-associated protein 1 light chain 3 alpha [Homo sapiens]

Synonyms

MAP1LC3A; microtubule-associated protein 1 light chain 3 alpha; LC3; LC3A; ATG8E; MAP1ALC3; MAP1BLC3; microtubule-associated proteins 1A/1B light chain 3A; MAP1A/MAP1B LC3 A; OTTHUMP00000030698; MAP1A/1B light chain 3 A; MAP1A/MAP1B light chain 3 A; autophagy-related protein LC3 A; MAP1 light chain 3-like protein 1; autophagy-related ubiquitin-like modifier LC3 A; microtubule-associated proteins 1A/1B light chain 3

Gene ID

84557

mRNA Refseq

NM_032514

Protein Refseq

NP_115903

MIM

601242

UniProt ID

Q9H492

**Chromosome
Location**

20cen-q13

Function

phosphatidylethanolamine binding; phospholipid binding; protein binding

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