

MAP1LC3B recombinant protein

MAP1LC3B, 1-120aa, Human, His tag, E Coli

CATALOG # AAA48664	HOST E Coli	APPLICATIONS SDS-Page
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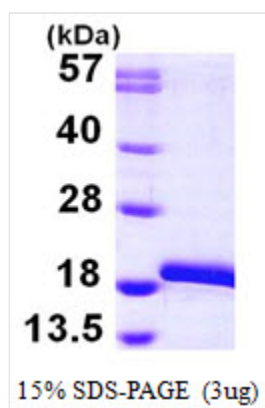
PRODUCT SYNONYMS

MAP1LC3B; 1-120aa; Human; His tag; E Coli; Microtubule-associated proteins 1A/1B light chain 3B; ATG8F; LC3B; MAP1A/1BLC3; MAP1LC3B recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 100mM NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MPSEKTFKQR RTFEQRVEDV RLIREQHPTK IPVIERYKG EKQLPVLDKT KFLVPDHVNM SELIKIIRRR LQLNANQAFF LLVNGHSMVS VSTPISEVYE SEKDEDGFLY MVIASQETFG
Sequence Length	1-120
Applicable Applications for MAP1LC3B recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 2-8°C for one week. For long term storage , aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MAP1LC3B recombinant protein	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. Recombinant human MAP1LC3B protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for MAP1LC3B recombinant protein	Cytoskeleton
References	Behrends C., et al. (2010) Nature. 466 (7302):68-76.; Kabeya Y., et al. (2000) EMBO J. 19 (21):5720-8.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	12383056
NCBI GeneID	81631
NCBI Accession #	NP_073729
NCBI GenBank Nucleotide #	NM_022818.4
UniProt Accession #	Q9GZQ8; Q6NW02
Molecular Weight	16.2 kDa (140aa), confirmed by MALDI-TOF
NCBI Official Full Name	microtubule-associated proteins 1A/1B light chain 3B
NCBI Official Synonym Full Names	microtubule associated protein 1 light chain 3 beta
NCBI Official Symbol	MAP1LC3B
NCBI Official Synonym Symbols	LC3B; ATG8F; MAP1LC3B-a; MAP1A/1BLC3
NCBI Protein Information	microtubule-associated proteins 1A/1B light chain 3B
UniProt Protein Name	Microtubule-associated proteins 1A/1B light chain 3B
UniProt Gene Name	MAP1LC3B
UniProt Synonym Gene Names	MAP1ALC3; MAP1A/MAP1B LC3 B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.