

Active Recombinant Human MAP1LC3A Protein, His-tagged

Cat. No. MAP1LC3A-784H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAP1LC3A (Accession # NP_115903), fused with an N-terminal 6-His tag, was produced in E. coli.
Species	Human
Source	E.coli
Form	X mg/ml (X μ M) in 50mM Hepes pH 7.5, 100mM NaCl. Actual concentration varies with lot number.
Bio-activity	Biotin-His6-LC3/MAP1LC3A/Apg8p3 can be conjugated to substrate proteins via the subsequent actions of a Apg-activating (E1) enzyme, a Apg-conjugating (E2) enzyme, and a Apg ligase (E3). Biotin-His6-LC3/MAP1LC3A/Apg8p3 is ideal for the visualization or quantification of thioester formation with avidin-linked reagents. Reaction conditions will need to be optimized for each specific application. We recommend an initial Biotin-His6-LC3/MAP1LC3A/Apg8p3 concentration of 1-5 μ M.
Purity	>95%, by PAGE.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

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Gene Name	MAP1LC3A microtubule-associated protein 1 light chain 3 alpha [Homo sapiens]
Official Symbol	MAP1LC3A
Synonyms	MAP1LC3A; microtubule-associated protein 1 light chain 3 alpha; ATG8E; LC3; LC3A; MAP1ALC3; MAP1BLC3;
Gene ID	8199
mRNA Refseq	
Protein Refseq	
MIM	601242
UniProt ID	Q9H492
Chromosome Location	20q11.22

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