

Microtubule-Associated Protein 1 Light Chain 3 Alpha Human Recombi-

Item Number	rAP-3642
Synonyms	ATG8E, LC3, LC3A, MAP1ALC3, MAP1BLC3, MLP3A.
Description	MAP1LC3A Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 128 amino acids (1-120 a.a.) and having a molecular mass of 15.1 kDa. The MAP1LC3A is fused to 8 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9H492
Amino Acid Sequence	MPSDRPFKQR RSFADRCKEV QQIRDQHPSK IPVIERYKG EKQLPVLDKT KFLVPDHVNM SELVKIIRRR LQLNPTQAFF LLVNQHSMVS VSTPIADIYE QEKDEDGFLY MVYASQETFG LEHHHHHH.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The MAP1LC3A solution (1mg/ml) contains 20mM Tris-HCl pH-8.0, 1mM DTT, 0.1M NaCl & 20% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**