

## MAP1LC3B

### Recombinant Human Microtubule-Associated Protein 1 Light Chain 3 Beta His

Catalog No.	CS473A	Quantity:	5 µg
	CS473B		20 µg
	CS473C		1 mg

**Alternate Names:** LC3B, ATG8F, MAP1LC3B-a, MAP1A/1BLC3

**Description:** MAP1LC3B is a member of the MAP1 LC3 family. MAP1LC3B is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, that are involved in microtubule assembly and important for neurogenesis. In addition, MAP1LC3B takes part in formation of autophagosomal vacuoles and is expressed mainly in heart, testis, brain and skeletal muscle.

Recombinant Human MAP1LC3B is a single, non-glycosylated polypeptide chain containing 140 amino acids (aa1-120) fused to a 20 amino acid His-tag at the N-terminus and purified by proprietary chromatographic techniques.

**Concentration:** 0.5 mg/ml

**Gene ID:** 81631

**Source:** *E. coli*

**Molecular Mass:** 16.2 kDa

**Formulation:** Sterile filtered clear solution formulated in 20 mM Tris-HCl buffer, pH8.0, + 1 mM DTT + 100 mM NaCl + 20% glycerol.

**Purity:** >95% as determined by SDS-PAGE.

**Amino Acid Sequence:** **MGSSHHHHH SSGLVPRGSH** MPSEKTFKQR RTFEQRVEDV RLIREQHPTK  
IPVIIERYKG EKQLPVLDKT KFLVPDHVNM SELIKIIRRR LQLNANQAFF LLVNGHSMVS  
VSTPISEVYE SEKDEDGLY MVIASQETFG

**Storage & Stability:** Store at 2-4°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 repeated freeze-thaw cycles.**

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