

MAP1LC3B2 Human

Description: MAP1LC3B2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 140 amino acids (1-120 a.a.) and having a molecular mass of 16.2kDa. MAP1LC3B2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-222

For research use only.

Synonyms: Microtubule-associated proteins 1A/1B light chain 3 beta 2, Microtubule-associated proteins 1A/1B light chain 3B-like, MAP1LC3B2, ATG8G.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MPSEKTFKQR RTFEQRVEDV
RLRIEQHPTK IPVIERYKG EKQLPVLDKT KFLVPDHVNM SELIKIIRRR LQLNANQAFF
LLVNGHSMVS VSTPISEVYE SEKDEGFLY MVCASQETFG.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

MAP1LC3B2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.

Stability:

MAP1LC3B2 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Usage:

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Introduction:

Microtubule-associated proteins 1A/1B light chain 3 beta 2 (MAP1LC3B2) is a member of the MAP1LC3 family. MAP1LC3B2 is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and essential for neurogenesis. The MAP1LC3B2 protein is possibly involved in formation of autophagosomal vacuoles (autophagosomes). MAP1LC3B2 is expressed primarily in the heart, testis, brain and skeletal muscle.

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