Recombinant human LC3B/MAP1LC3B protein

Catalog Number: ATGP0876

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-120aa

UniProt No.
Q9GZQ8

NCBI Accession No.
NP_073729.1

Alternative Names
Microtubule associated protein 1 light chain 3 beta, Microtubule-associated proteins 1A/1B light chain 3B, ATG8F, Autophagy-related protein LC3 B, Autophagy-related ubiquitin-like modifier LC3 B, MAP1 light chain 3-like protein 2, MAP1A/MAP1B light chain 3 B, MAP1A/MAP1B LC3 B, MAP1ALC3

PRODUCT SPECIFICATION

Molecular Weight
16.2 kDa (140aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 100mM NaCl

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
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

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protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

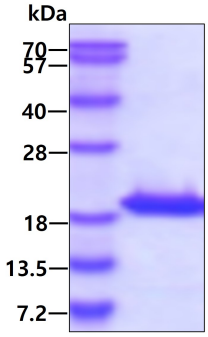
<MGSSHHHHHH SSGLVPRGSH> MPSEKTFKQR RTFEQRVEDV RLIREQHPTK IPVIIERYKG EKQLPVLDKT KFLVPDHVNM SELIKIIRRR LQLNANQAFF LLVNGHSMVS VSTPISEVYE SEKDEDGFLY MVYASQETFG

General References

Behrends C., et al. (2010) Nature. 466(7302):68-76.
Kabeya Y., et al. (2000) EMBO J. 19(21):5720-8.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.