

Recombinant mouse LC3B/MAP1LC3B protein

Catalog Number: ATGP3668

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-120aa

UniProt No.

Q9CQV6

NCBI Accession No.

NP_080436

Alternative Names

Microtubule-associated protein 1 light chain 3 beta, Microtubule-associated proteins 1A/1B light chain 3B, 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, Atg8, LC3b, Map1lc3, Map1alc3

PRODUCT SPECIFICATION

Molecular Weight

16.7 kDa (144aa) Confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. 20mM MES buffer (pH 6.0) containing 0.1M NaCl, 1mM DTT, 30% glycerol

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

Map1lc3b, also known as Microtubule-associated proteins 1A/1B light chain 3B, 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 mouse 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 MGSHPSEKT FKQRRSFEQR VEDVRLIREQ HPTKIPVIE RYKGEKQLPV LDKTKFLVPD
HVNMSELIKI IRRRLQLNAN QAFFLLVNGH SMVSVSTPIS EVYESERDED GFLYMVYASQ ETFG

General References

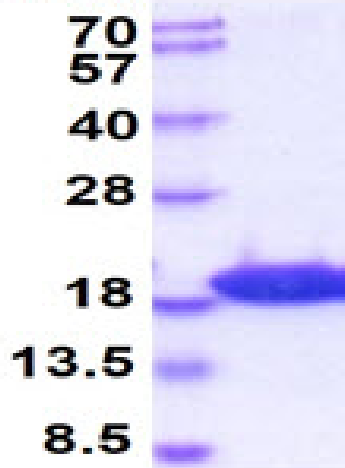
Behrends C., et al. (2010) Nature. 466(7302):68-76.

Yu S., et al. (2016) Tumour Biol. 37(11):15007-15017

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)