

**MAP1LC3B2, 1-120aa, Human, His tag, E.coli**

**Cat.NO.: TP02895**

3th Edition

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

**Description:**Microtubule-associated proteins 1A/1B light chain 3 beta 2, also as known as MAP1LC3B2, belongs to the MAP1LC3 family. MAP1LC3B2 is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and important for neurogenesis. This protein probably involved in formation of autophagosomal vacuoles (autophagosomes). It is expressed primarily in heart, testis, brain and skeletal muscle and testis.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

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

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMPSEKTFKQRRRTFEQRVEDVRLIREQHPTKIPVIIERYKGEKQLPVLDTKTKFLVPD  
HVNMSSELIKIIRRLQLNANQAFFLLVNGHSMVSVSTPISEVYESEKDEDGFLYMVCASQETFG

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay )

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.