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## Product Data Sheet

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Product Name: MAP1LC3B Mouse  
 Cat. No.: GP23879  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Microtubule-Associated Protein 1 Light Chain 3 beta; ATG8F; Autophagy-related ubiquitin-like modifier LC3 B; MAP1 light chain 3-like protein 2; MAP1A/MAP1B LC3 B; LC3B; MAP1A/1BLC3; MAP1ALC3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHPSEKT FKQRRSFEQR VEDVRLIREQ HPTKIPVIIIE RYKGEKQLPV LDKTKFLVPD HVNMSSELIKI IRRRLQLNAN QAFFLLVNGH SMVSVSTPIS EYESERDED GFLYMVIASQ ETFG.		
Formulation	MAP1LC3B protein solution (0.25mg/ml) containing 20mM MES(pH6.0), 0.1M NaCl, 1mM DTT and 30% glycerol.		

### Introduction

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.

### Stability

Store at 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 multiple freeze-thaw cycles.

### Background

MAP1LC3B Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 144 amino acids (1-120 a.a.) and having a molecular mass of 16.7kDa. MAP1LC3B is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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