
Product Data Sheet

Product Name: MAP1LC3B Human
 Cat. No.: GP23878
 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 MPSEKTFKQR RTFEQRVEDV RLIREQHPTK IPVIIERYKG EKQLPVLDKT KFLVPDHVNM SELIKIIRRR LQLNANQAFF LLVNGHSMVS VSTPISEVYE SEKDEDGFLY MVYASQETFG		
Formulation	The MAP1LC3B protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0)1mM DTT, 100mM NaCl and 20% 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 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 140 amino acids (1-120a.a.) and having a molecular mass of 16.2kDa. MAP1LC3B is fused to a 20 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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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