Datasheet for ABIN7319522

LC3B Protein

Go to Product page

Overview

Quantity:	50 µg
Target:	LC3B (MAP1LC3B)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human MAP1LC3B Protein
Sequence:	Met1-Val125
Characteristics:	Recombinant Human MAP1LC3B is produced by our E.coli expression system and the target gene encoding Met1-Val125 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	LC3B (MAP1LC3B)
Alternative Name:	MAP1LC3B (MAP1LC3B Products)
Background:	Background: Microtubule-associated proteins 1A/1B light chain 3B (MAP1LC3B) is a member of the highly conserved ATG8 protein family. ATG8 proteins are present in all known eukaryotic organisms. MAP1LC3B is one of the four genes in the MAP1LC3 subfamily (others include MAP1LC3A, MAP1LC3C, and MAP1LC3B2). It is moat abundantly expressed in heart, brain,

Target Details

	skeletal muscle and testis. LMAP1LC3B is a subunit of neuronal microtubule and functions in formation of autophagosomal vacuoles (autophagosomes). It associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and important for neurogenesis. MAP1LC3B also plays a role in autophagy, a process that involves the bulk degradation of cytoplasmic component. Synonym: 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, Microtubule-associated protein 1 light chain 3 beta, MAP1LC3B, MAP1ALC3
Molecular Weight:	14.8 kDa
UniProt:	Q9GZQ8
Pathways:	Autophagy

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris, 150 mM NaCl, 2 mM DTT, pH 8.0.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.