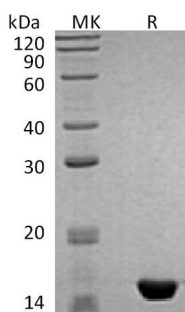


Summary

Name	Microtubule-associated Proteins 1A/1B Light Chain 3B/MAP1LC3B
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Microtubule-associated Proteins 1A/1B Light Chain 3B is produced by our E.coli expression system and the target gene encoding Met1-Val125 is expressed.
Accession #	Q9GZQ8
Host	E.coli
Species	Human
Predicted Molecular Mass	14.8 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Citrate, 15% Trehalose, 0.05% Tween 80, 2mM DTT, pH4.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

Product Name: Recombinant Human MAP1LC3B
Catalog #: PEH1162



Alternative Names

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

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 most abundantly expressed in heart, brain, skeletal muscle and testis. MAP1LC3B 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.

Note

For Research Use Only , Not for Diagnostic Use.