

Recombinant Human MAP1LC3A Protein (His Tag)

Catalog Number:PKSH032755



Note: Centrifuge before opening to ensure complete recovery of vial contents.

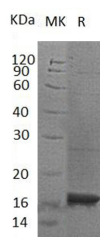
Description

Synonyms	Microtubule-Associated Proteins 1A/1B Light Chain 3A;Autophagy-Related Protein LC3 A;Autophagy-Related Ubiquitin-Like Modifier LC3 A;MAP1 Light Chain 3-Like Protein 1;MAP1A/MAP1B Light Chain 3 A;MAP1A/MAP1B LC3 A;Microtubule-Associated Protein 1 Light Chain 3 Alpha;MAP1LC3A
Species	Human
Expression Host	E.coli
Sequence	Met 1-Phe121
Accession	Q9H492
Calculated Molecular Weight	15.3 kDa
Observed molecular weight	18 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 20% Glycerol, 100mM NaCl, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Microtubule-Associated Proteins 1A/1B Light Chain 3A (MAP1LC3A) belongs to the MAP1 LC3 family. MAP1LC3A is found most abundantly in the heart, brain, liver, skeletal muscle, and testis. But it is absent in the thymus and peripheral blood leukocytes. MAP1LC3A is thought to take part in the formation of autophagosomal vacuoles and is one of the light chain subunits that functions together with both MAP1A and/or MAP1B. In addition, MAP1A has an important part in neuronal development and in maintaining the balance between neuronal plasticity and rigidity.

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