

# Recombinant Human MAP1LC3A Protein (His Tag)

Catalog Number:PKSH032755



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

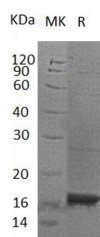
## Description

<b>Synonyms</b>	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
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Phe121
<b>Accession</b>	Q9H492
<b>Calculated Molecular Weight</b>	15.3 kDa
<b>Observed molecular weight</b>	18 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	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.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 20% Glycerol, 100mM NaCl, pH 8.0.
<b>Reconstitution</b>	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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Fax: 1-832-243-6017