

Product datasheet

Recombinant Human MAP1LC3A protein - BSA and Azide free ab171754

Description

Product name	Recombinant Human MAP1LC3A protein - BSA and Azide free
Purity	> 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	<u>Q9H492</u>
Protein length	Full length protein
Animal free	No
Carrier free	Yes
Nature	Recombinant
Species	Human
Sequence	MPSDRPFKQRRSFADRCKEVQQIRDQHPSKIPVIERYKG EKQLPVLDKT KFLVPDHVNMSSELVK IIRRLQLNPTQAFFLLVNQHSMVSVSTPIADIYEQEKDEDG FLYMVYAS QETFGFLEHHHHHH
Predicted molecular weight	15 kDa including tags
Amino acids	1 to 121
Tags	His tag C-Terminus
Description	Recombinant Human MAP1LC3A protein (BSA and azide free)

Specifications

Our **Abpromise guarantee** covers the use of **ab171754** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped on Dry Ice. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.24% Tris, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function

Probably involved in formation of autophagosomal vacuoles (autophagosomes).

Tissue specificity

Most abundant in heart, brain, liver, skeletal muscle and testis but absent in thymus and peripheral blood leukocytes.

Sequence similarities

Belongs to the MAP1 LC3 family.

Post-translational modifications

The precursor molecule is cleaved by APG4B/ATG4B to form the cytosolic form, LC3-I. This is activated by APG7L/ATG7, transferred to ATG3 and conjugated to phospholipid to form the membrane-bound form, LC3-II.

Cellular localization

Cytoplasm > cytoskeleton. Endomembrane system. Cytoplasmic vesicle > autophagosome membrane. LC3-II binds to the autophagic membranes.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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