

Product datasheet

Recombinant Human MAP1LC3A protein (BSA and azide free) ab171754

Description

Product name	Recombinant Human MAP1LC3A protein (BSA and azide free)	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	Q9H492-1	
Protein length	Full length protein	
Animal free	No	
Carrier free	Yes	
Nature	Recombinant	
Species	Human	
Sequence	MPSDRPFKQRRSFADRCKEVQQIRDQHPSKIPVIERKYG EKQLPVLDKT KFLVDPDHVNMSSELVK IIRRLQLNPTQAFFLLVNQHSMSVSVSTPIADIYEQEKDEDG FLYMVYAS QETFGFLEHHHHHH	
Predicted molecular weight	15 kDa including tags	
Amino acids	1 to 121	
Tags	His tag C-Terminus	

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
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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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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours

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