

MAP1LC3C Protein, Human, Recombinant (His)

General Information

Synonyms:	Microtubule-associated proteins 1A/1B light chain 3C (MAP1A/MAP1B LC3 C;MAP1A/MAP1B light chain 3 C);Autophagy-related ubiquitin-like modifier LC3 C;MAP1 light chain 3-like protein 3;MAP1LC3C;Microtubule-associated protein 1 light chain 3 gamma;Autophagy-related protein LC3 C
Protein Construction:	1-126 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q9BXW4
Molecular Weight:	20.7 kDa (predicted)
AA Sequence:	MPPPQKIPSVRPFKQRKSLAIRQEEVAGIRAKFPNKIPVVVERYPRETFLLPPLDKTKFLVPQELTMTQFLSIIRSR MVLRATEAFYLLVNNKSLVMSATMAEIYRDYKDEDGFVYMTYASQETFG

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Ubiquitin-like modifier that plays a crucial role in antibacterial autophagy (xenophagy) through the selective binding of CALCOCO2. Recruits all ATG8 family members to infecting bacteria such as S.Typhimurium. May also play a role in aggrephagy, the macroautophagic degradation of ubiquitinated and aggregated proteins.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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