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MAP1LC3A Protein (AA 1-121) (His tag)



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Overview	
Quantity:	50 μg
Target:	MAP1LC3A
Protein Characteristics:	AA 1-121
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP1LC3A protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human Microtubule-Associated Protein 1 Light Chain 3 α/MAP1LC3A (C-6His)

Product Details		
Purpose:	Recombinant Human Microtubule-Associated Protein 1 Light Chain 3 α/MAP1LC3A (C-6His)	
Sequence:	MPSDRPFKQR RSFADRCKEV QQIRDQHPSK IPVIIERYKG EKQLPVLDKT KFLVPDHVNM SELVKIIRRR LQLNPTQAFF LLVNQHSMVS VSTPIADIYE QEKDEDGFLY MVYASQETFG FLEHHHHHH	
Characteristics:	Recombinant Human Microtubule-Associated Proteins 1A/1B Light Chain 3A/MAP1LC3A is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Phe121) of Human MAP1LC3A fused with a 6His tag at the C-terminus.	
Purity:	> 95 % as determined by reducing SDS-PAGE.	
Sterility:	0.2 μm filtered	
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test	

Target Details

Target:	MAP1LC3A	
Alternative Name:	MAP1LC3A (MAP1LC3A Products)	
Sub Type:	Fusionprotein	
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. Alternative Names: 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 Lig	
Molecular Weight:	15.3 kDa	
UniProt:	Q9H492	
Pathways:	Autophagy	
Application Details		
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH20. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.	
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 20 % Glycerol, 0.1M NaCl, pH 8.0.	
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.	
Storage:	-80 °C	
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.	

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Expiry Date:

6 months