

Recombinant Human MAP1LC3B Protein (Sumo Tag)

RPE8020



Product Information

Product SKU:	RPE8020	Expression Host:	E.coli	Size:	20µg
Tag:	N-Sumo	Reactivity:	Human	Accession:	Q9GZQ8

Additional Information

Calculated MW:	23.7 kDa	Observed MW:	31 kDa
Sequence:	His27-Val125		

Protein Information

Background:	The product of this gene is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and important for neurogenesis. Studies on the rat homolog implicate a role for this gene in autophagy, a process that involves the bulk degradation of cytoplasmic component. MAP1LC3B (Microtubule Associated Protein 1 Light Chain 3 Beta) is a Protein Coding gene. Diseases associated with MAP1LC3B include Sporadic Pheochromocytoma and Lacrimal Gland Adenocarcinoma. Among its related pathways are Vesicle-mediated transport and Senescence and Autophagy in Cancer. GO annotations related to this gene include microtubule binding. An important paralog of this gene is MAP1LC3B2.
Synonyms:	ATG8F, Autophagy-related protein LC3 B, Autophagy-related ubiquitin-like modifier LC3 B, LC3B, LC3II, MAP1 light chain 3 like protein 2, MAP1 light chain 3-like protein 2, MAP1A/1BLC3, MAP1A/MAP1B LC3 B, MAP1A/MAP1B light chain 3 B, MAP1ALC3, MAP1LC3B a, Map1lc3b, Microtubule associated protein 1 light chain 3 beta, Microtubule-associated protein 1 light chain 3 beta, Microtubule-associated proteins 1A/1B light chain 3B, MLP3B
Endotoxin:	< 10 EU/mg of the protein as determined by the LAL method
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Purity:	> 90% as determined by reducing SDS-PAGE.
Bio-Activity:	Not validated for activity

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Storage:

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.