

RPES8137

Product Information

Product SKU:	RPES8137	Expression Host:	E.coli	Size:	20µg
Tag:	N-Trx	Reactivity:	Human	Accession:	Q9GZQ8

Additional Information

Calculated MW:	30.7 kDa	Observed MW:	31 kDa
Sequence:	His27-Val125		

Protein Information

Background:	LC3A, also known as MAP1LC3A, is one of the light chain subunits that function together with both MAP1A and/or MAP1B. MAP1A and MAP1B are microtubule-associated proteins that mediate the physical interactions between microtubules and components of the cytoskeleton. MAP1A and MAP1B each consist of a heavy chain subunit and multiple light chain subunits. As a light chain subunit, MAP1LC3A has an important part in neuronal development and in maintaining the balance between neuronal plasticity and rigidity. MAP1LC3A is expressed as two alternatively spliced isoforms that are expressed in testis, brain, heart, liver, and skeletal muscle but are absent in thymus and peripheral blood leukocytes.
Synonyms:	MAP1A/1BLC, MAP1 light chain 3-like protein, MAP1ALC, MAP1LC3B, ATG8F, LC3B, MAP1A/1BLC3, MAP1LC3B-a, microtubule associated protein 1 light chain 3 beta, Autophagy-related protein LC3 B, Autophagy-related ubiquitin-like modifier LC3 B, LC3A/LC3B, MAP1 light chain 3-like protein 2, MAP1A/MAP1B LC3 B, MAP1A/MAP1B light chain 3 B, Microtubule-associated protein 1 light chain 3 beta, MAP1ALC3, Autophagy related protein LC3 A, Autophagy related ubiquitin like modifier LC3 A, Autophagy related ubiquitin like modifier LC3 B, LC3, LC3II, MAP, MAP1 light chain 3 like protein 1, MAP1 light chain 3 like protein 2, MAP1A/1B light chain 3 A, MAP1LC3B a, Microtubule-associated proteins 1A/1B light chain 3B, MLP3B
Endotoxin:	< 10 EU/mg of the protein as determined by the LAL method

<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Purity:</b>	> 90% as determined by reducing SDS-PAGE.
<b>Bio-Activity:</b>	Not validated for activity
<b>Storage:</b>	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.