

Product datasheet for TP506129

Atg4b (NM_174874) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse autophagy related 4B, cysteine peptidase (Atg4b), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206129 representing NM_174874 Red =Cloning site Green =Tags(s)
	<p>MDAATLTYDTLRFAEFEDFPETSEPVWILGRKYSIFTEKDEILSDVASRLWFTYRRNFP AIGGTGPTS DT GWGCMLRCGQMIFAQALVCRHLGRDWRWTQRKRQPD SYFNVLNAFLDRKDSYYSIHQIAQMGVGEK SIG QWYGPNTVAQVLKKLAVFDTWSSLAVHIAMDNTVVMEEIRRLCRANLPCAGAAALPTD SERHCNGFPAGA EVTNRPSAWRPLVLLIPLRLGLTDINEAYVETLKHCFMMPQSLGVIGGKPN SAHYFIGYVGEELIYLDPH TTQPAVELTDSFCIPDES FHCQHPPSRMGIGELDPSI AVGFFCKKEEDFNDWCQQVKKLSQLGGALPMFE LVEQQPSHLACQDVLNLSLDSSDVERLERFFDSEDED FEILSL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	44.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_777363
Locus ID:	66615
UniProt ID:	Q8BGE6 , A0A0R4J065



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RefSeq Size: 2965

Cytogenetics: 1 D

RefSeq ORF: 1179

Synonyms: 2510009N07Rik; Apg4b; Atg4bl; Autl1; AW048066

Summary: Cysteine protease required for the cytoplasm to vacuole transport (Cvt) and autophagy. Cleaves the C-terminal amino acid of ATG8 family proteins MAP1LC3, GABARAPL1, GABARAPL2 and GABARAP, to reveal a C-terminal glycine. Exposure of the glycine at the C-terminus is essential for ATG8 proteins conjugation to phosphatidylethanolamine (PE) and insertion to membranes, which is necessary for autophagy. Has also an activity of delipidating enzyme for the PE-conjugated forms (By similarity).[UniProtKB/Swiss-Prot Function]