

## Product datasheet for **TP316453L**

### ATG4B (NM\_178326) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ATG4 autophagy related 4 homolog B ( <i>S. cerevisiae</i> ) (ATG4B), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216453 representing NM_178326 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MDAATLTYDTRLRFAEFEDFPETSEPVWILGRKYSIFTEKDEILSDVASRLWFTYRKNFPAIGGTGPTS  
D TGWGCMLRCQMIFAQALVCRHLGRDWRWTQRKRQPD SYFSVLNAFIDRKDSYYSIHQIAQMGVGEK  
SIG QWYGPNTVAQVLKLA VFDTWSSLAVHIAMDNTVVMEEIRRLCRTSVPCAGATAFPADSDRHC  
NGFPAGAEVTNRPSWRPLVLLIPLRLGLTDINEAYVETLKHCFMMPQSLGVIGGKPN  
SAHYFIGYVGEELIYLDPH TTQPAVEPTDGC FIPDES FHCQHPPCRMSIAELDPSI  
AVGFFCKTEDDFNDWCQQVKLSLLGGALPMFE LVELQP SHLACPDVNLNLSLGESCQVQILLM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	42.4 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<a href="#">NP_847896</a>



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Locus ID: 23192

UniProt ID: [Q9Y4P1](#)

RefSeq Size: 2912

Cytogenetics: 2q37.3

RefSeq ORF: 1140

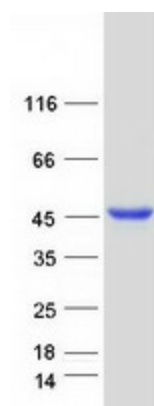
Synonyms: APG4B; AUTL1

**Summary:** Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

**Protein Families:** Protease

**Protein Pathways:** Regulation of autophagy

### Product images:



Coomassie blue staining of purified ATG4B protein (Cat# [TP316453]). The protein was produced from HEK293T cells transfected with ATG4B cDNA clone (Cat# [RC216453]) using MegaTran 2.0 (Cat# [TT210002]).