

## Product datasheet for **TP300289**

### ATG4B (NM\_013325) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human ATG4 autophagy related 4 homolog B ( <i>S. cerevisiae</i> ) (ATG4B), transcript variant 1, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC200289 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MDAATLTYDTRLRFAEFEDFPETSEPVWILGRKYSIFTEKDEILSDVASRLWFTYRKNFPAIGGTGPTSDT  
GWGCMLRCQMIFAQALVCRHLGRDWRWTQRKRQPDSEYFVSNLAFIDRKDSYYSIHQIAQMGVGEKSG  
QWYGPNTVAQVLKLAFTWSSLAVHIAMDNTVMEIIRRLCRSVPCAGATAFPADSDRHCNGFPAGA  
EVTNRPSWRPLVLLIPLRLGLTDINEAYVETLKHCFMMPQSLGVIGGKPNSAHYFIGYVGEELIYLDPH  
TTQPAVEPTDGCFFPDES FHCQHPPCRMSIAELDPSIAGVFFCKTEDDFNDWCQQVKLSLLGGALPMFE  
LVEQQPSHLACPDVNLNLSLDSSDVERLERFFDSEDEDFEILSL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	44.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_037457</a></u>



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Locus ID: 23192

UniProt ID: [Q9Y4P1](#), [B3KVU2](#)

RefSeq Size: 2892

Cytogenetics: 2q37.3

RefSeq ORF: 1179

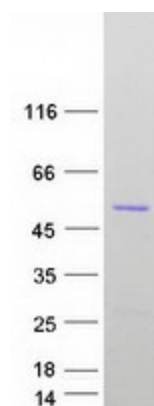
Synonyms: APG4B; AUTL1

**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# TP300289). The protein was produced from HEK293T cells transfected with ATG4B cDNA clone (Cat# [RC200289]) using MegaTran 2.0 (Cat# [TT210002]).