

# Recombinant Full Length Human ATG3 Protein, GST-tagged

Cat. No. ATG3-1273HF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Human ATG3 full-length ORF ( NP\_071933.2, 1 a.a. - 314 a.a.) recombinant protein with GST-tag at N-terminal.

**Species** Human

**Source** In Vitro Cell Free System

**ProteinLength** 314 amino acids

**Description** This gene encodes a ubiquitin-like-conjugating enzyme and is a component of ubiquitination-like systems involved in autophagy, the process of degradation, turnover and recycling of cytoplasmic constituents in eukaryotic cells. This protein is known to play a role in regulation of autophagy during cell death. A pseudogene of this gene is located on chromosome 20. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]

**Molecular Mass** 62.3 kDa

**AA Sequence**

MQNVINTVKG KALEVAEYLT PVLKESKFKE TGVITPEEFV AAGDHLVHHC  
 PTWQWATGEE LKVKAYLPTG KQFLVTKNVP CYKRCKQMEY SDELEAIIIE  
 DDGDGGWVDY YHNTGITGIT EAVKEITLEN KDNIRLQDCS ALCEEEEEDED  
 EGAAADMEEY EESGLLETDE ATLDTRKIVE ACKAKTDAGG EDAILQTRTY  
 DLYITYDKYY QTPRLWLFGY DEQRQPLTVE HMYEDISQDH VKKTVTIENH  
 PHLPPPMCS VHPCRHAEMV KKIIETVAEG GGELGVHMYL LIFLKFVQAV  
 IPTIEYDYTR HFTM

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	ATG3 ATG3 autophagy related 3 homolog (S. cerevisiae) [ Homo sapiens ]
<b>Official Symbol</b>	ATG3
<b>Synonyms</b>	ATG3; ATG3 autophagy related 3 homolog (S. cerevisiae); APG3 autophagy 3 like (S. cerevisiae) , APG3L; ubiquitin-like-conjugating enzyme ATG3; DKFZp564M1178; FLJ22125; MGC15201; PC3 96; hApg3; 2610016C12Rik; autophagy-related protein 3; APG3; APG3L; PC3-96; APG3-LIKE
<b>Gene ID</b>	64422
<b>mRNA Refseq</b>	NM_022488
<b>Protein Refseq</b>	NP_071933
<b>MIM</b>	609606
<b>UniProt ID</b>	Q9NT62

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