

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 DDGDGGWVDT YHNTGITGIT EAVKEITLEN KDNIRLQDCS ALCEEEEEDED EGEAADMEEY EESGLLETDE ATLDTRKIVE ACKAKTDAGG EDAILQTRTY DLITYDKYY QTPRLWLFGY DEQRQPLTVE HMYEDISQDH VKKTVTIENH PHLPPPPMCS VHPCRHAHEVM KKIIETVAEG GGELGVHMYL LIFLKQVQAV IPTIEYDYTR HFTM

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ATG3 ATG3 autophagy related 3 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	ATG3
Synonyms	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
Gene ID	64422
mRNA Refseq	NM_022488
Protein Refseq	NP_071933
MIM	609606
UniProt ID	Q9NT62