Recombinant Human ATG3 protein, GST-tagged

Cat. No. ATG3-947H **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	Wheat Germ
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	MQNVINTVKGKALEVAEYLTPVLKESKFKETGVITPEEFVAAGDHLVHHCPTWQWAT GEELKVKAYLPTGKQFLVTKNVPCYKRCKQMEYSDELEAIIEEDDGDGGWVDTYHN TGITGITEAVKEITLENKDNIRLQDCSALCEEEEDEDEGEAADMEEYEESGLLETDEA TLDTRKIVEACKAKTDAGGEDAILQTRTYDLYITYDKYYQTPRLWLFGYDEQRQPLTV EHMYEDISQDHVKKTVTIENHPHLPPPPMCSVHPCRHAEVMKKIIETVAEGGGELGV HMYLLIFLKFVQAVIPTIEYDYTRHFTM
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
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

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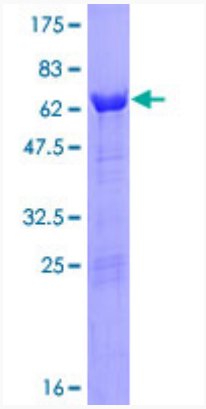

12.5% SDS-PAGE Stained with Coomassie Blue.

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