

Recombinant Human ATG3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ATG3-3031H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATG3 MS Standard C13 and N15-labeled recombinant protein (NP_071933) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	35.9 kDa
AA Sequence	MQNVINTVKGKALEVAEYLTPVLKESKFKETGVITPEEFVAAGDHLVHHCPWQWAT GEELKVKAYLPTGKQFLVTKNVPCYKRCKQMEYSDELEAIIIEDDGDGGWVDTYHN TGITGITEAVKEITLENKDNIRLQDCSALCEEEDEDEGEAADMEEYEESGLLETDEA TLDTRKIVEACKAKTDAGGEDAILQTRTYDLYITYDKYYQTPRLWLFQYDEQRQPLTV EHMYEDISQDHVKKTVTIENHPLPPPPMCSVHPCRHAEVMKKIETVAEGGGELGV HMYLLIFLKQVAVIPTIEYDYTRHFTMTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ATG3 autophagy related 3 [Homo sapiens (human)]
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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SDS-PAGE

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