

Recombinant Full Length Human ATG3 Protein, C-Flag-tagged

Cat. No. ATG3-1065HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ATG3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	35.7 kDa
AA Sequence	<p>MQNVINTVKGKALEVAEYLTPVLKESKFKETGVITPEEFVAAGDHLVHHCPWQWAT GEELKVKAYLPTG KQFLVTKNVPCYKRCKQMEYSDELEAIIEDDGDGGWVDTYHN TGITGITEAVKEITLENKDNIRLQDCS ALCEEEDEDEGEAADMEEYEESGLLETDEA TLDTRKIVEACKAKTDAGGEDAILQTRTYDLYITYDKYY QTPRLWLFYDEQRQPLT VEHMYEDISQDHVKKTVTIENHPHLP PPMCSVHPCRHA EVMKKIETVAEG GGELGVHMYLLIFLKFVQAVIPTIEYDYTRHFTMTRTRPLEQKLISEEDLAANDILDYK DDDDKV</p>

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Regulation of autophagy
Full Length	Full L.

GENE INFORMATION

Gene Name	ATG3 autophagy related 3 [Homo sapiens (human)]
Official Symbol	ATG3
Synonyms	APG3; APG3L; hApg3; PC3-96; APG3-LIKE
Gene ID	64422
mRNA Refseq	NM_022488.5
Protein Refseq	NP_071933.2
MIM	609606

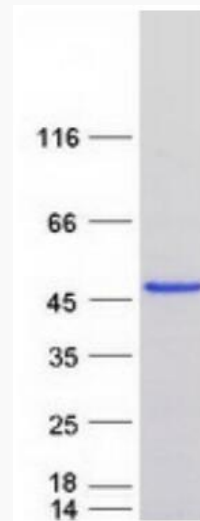
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UniProt ID

Q9NT62



Coomassie blue staining of purified ATG3 protein

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