

Recombinant Full Length Human ATG5 Protein, GST-tagged

Cat. No. ATG5-1134HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATG5 full-length ORF (NP_004840.1, 1 a.a. - 275 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	275 amino acids
Description	The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Several transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq, Sep 2015]
Molecular Mass	58.8 kDa
AA Sequence	MTDDKDVLRD VWFGRIPTCF TLYQDEITER EAEPYYLLLP RVSYLTLVTD KVKKHFQKVM RQEDISEIWF EYEGTPLKWH YPIGLLFDLL ASSSALPWN TVHFKSFPEK DLLHCPSKDA IEAHFMSCMK EADALKHKSQ VINEMQKKDH KQLWMGLQND RFDQFWAINR KLMEYPAEEN GFRYIPFRIY QTTTERPFIQ KLFRPVAADG QLHTLGDLLK EVCPSAIDPE DGEKKNQVMI HGIEPMLETP

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LQWLSEHLSY PDNFLHISII PQPTD

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

ATG5 ATG5 autophagy related 5 homolog (S. cerevisiae) [Homo sapiens]

Official Symbol

ATG5

Synonyms

ATG5; ATG5 autophagy related 5 homolog (S. cerevisiae); APG5 (autophagy 5, S. cerevisiae) like , APG5 autophagy 5 like (S. cerevisiae) , APG5L; autophagy protein 5; APG5; ASP; hAPG5; apoptosis specific protein; apoptosis-specific protein; APG5L; APG5-LIKE

Gene ID

9474

mRNA Refseq

NM_004849

Protein Refseq

NP_004840

MIM

604261

UniProt ID

Q9H1Y0

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