

Recombinant Full Length Human ATG4A Protein, GST-tagged

Cat. No. ATG4A-1512HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATG4A full-length ORF (NP_443168.2, 1 a.a. - 398 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	398 amino acids
Description	Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. [provided by RefSeq, Mar 2016]
Molecular Mass	71.8 kDa
AA Sequence	MESVLSKYED QITIFTDYLE EYPDTDELVW ILGKQHLLKT ESKLLSDIS ARLWFTYRRK FSPIGGTGPS SDAGWGCMRLR CGQMMLAQAL ICRHLGRDWS WEKQKEQPKE YQRILQCFLD RKDCCYSIHQ MAQMGVGEKG SIGEWFGPNT VAQVLKKLAL FDEWNSLAVY VSMDNTVVIE DIKKMCRVLP LSADTAGDRP PDSLTASNQS KGTSAYCSAW KPLLLIVPLR LGINQINPVY VDAFKECFKM

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PQSLGALGGK PNNAYYFIGF LGDELIFLDP HTTQTFVDTE ENGTVNDQTF
HCLQSPQRMN ILNLDPSVAL GFFCKEEKDF DNWCSLVQKE ILKENLRMFE
LVQKHPSHWP PFVPPAKPEV TTTGAEFIDS TEQLEEFDL EDEILSV

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

ATG4A ATG4 autophagy related 4 homolog A (S. cerevisiae) [Homo sapiens]

Official Symbol

ATG4A

Synonyms

ATG4A; ATG4 autophagy related 4 homolog A (S. cerevisiae); APG4 autophagy 4 homolog A (S. cerevisiae) , APG4A, AUT like 2, cysteine endopeptidase (S. cerevisiae) , AUTL2; cysteine protease ATG4A; hAPG4A; autophagin 2; autophagin-2; APG4 autophagy 4 homolog A; AUT-like 2 cysteine endopeptidase; AUT-like 2, cysteine endopeptidase; autophagy-related protein 4 homolog A; autophagy-related cysteine endopeptidase 2; APG4A; AUTL2

Gene ID

115201

mRNA Refseq

NM_052936

Protein Refseq

NP_443168

MIM

300663

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UniProt ID

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