

# Recombinant Full Length Human ATG4A Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human ATG4A full-length ORF ( NP_443168.2, 1 a.a. - 398 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	398 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	71.8 kDa
<b>AA Sequence</b>	MESVLSKYED QITIFTDYLE EYPDTDELVW ILGKQHLLKT EKSKLLSDIS ARLWFTYRRK FSPIGGTGPS SDAGWGCMRLR CGQMMLAQAL ICRHLGRDWS WEKQKEQPKE YQRILQCFLD RKDCCYSIHQ MAQMGVGEK SIGEWFGPNT VAQVLKKLAL FDEWNSLAVY VSMDNTVVIE DIKKMCRVLP LSADTAGDRP PDSL TASNQS KGTSAYCSAW KPLLLIVPLR LGINQINPVY VDAFKECFKM

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

**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

Q8WYN0

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