

Recombinant Human ATG4A protein, GST-tagged

Cat. No. ATG4A-948H **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	Wheat Germ
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	MESVLSKYEDQITIFTDYLEEYPDTDELVWILGKQHLLKTEKSKLLSDISARLWFTYRR KFSPIGGTGPSSDAGWGCMLRCGQMMLAQALICRHLGRDWSWEKQKEQPKEYQR ILQCFLDRKDCCYSIHQMAQMGVGEGKSIGEWFGPNTVAQVLKLLALFDEWNSLAV YVSM DNTV VIEDIKKMC RVLPLSADTAGDRPPDSL TASNQSKGTSAYCSAWKPLLLI VPLRLGINQINPVYVDAFKECFKMPQSLGALGGKPNNAYYFIGFLGDELIFLDPHTTQ TFVDTEENGTVNDQTFHCLQSPQRMNINLDPSVALGFFCKEEKDFDNWCSLVQKE

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	ILKENLRMFELVQKHPSHWPPFVPPAKPEVTTTGAEFIDSTEQLEEFDLEEDFEILSV
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
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

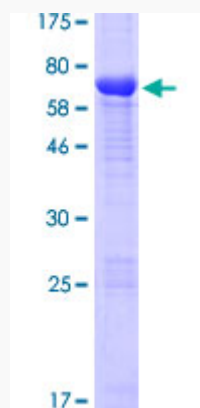
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UniProt ID

Q8WYN0



12.5% SDS-PAGE Stained with Coomassie Blue.

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