

Recombinant Human ATG4B protein, GST-tagged

Cat. No. ATG4B-949H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ATG4B full-length ORF (AAH00719.1, 1 a.a. - 393 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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Molecular Mass	70.7 kDa
AA Sequence	MDAATLTYDTLRFAEFEDFPETSEPVWILGRKYSIFTEKDEILSDVASRLWFTYRKNF PAIGGTGPTSDTGWGCMRLRCQMIFAQALVCRHLGRDWRWTQRKRQPDSYFVSL NAFIDRKDSYYSIHQIAQMGVGEKSGIQWYGPNTVAQVLKKLAVFDTWSSLAVHIA MDNTVVMEEIRRLCRTSVPCAGATAFPADSDRHCNGFPAGA EVTNRPSWRPLVLL IPLRLGLTDINEAYVETLKHCFMMPQSLGVIGGKPN SAHYFIGYVGEELIYLPHTTQP

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AVEPTDGC FIPDES FHCQHPPCRMSIAELDPSI AVGFFCKTEDDFNDWCQQVKKLSL
LGGALPMFELVEQQPSHLACPDV LNLSLDSSDVERLERFFDSEDED FEILSL

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

ATG4B ATG4 autophagy related 4 homolog B (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

ATG4B

Synonyms

ATG4B; ATG4 autophagy related 4 homolog B (*S. cerevisiae*); APG4 autophagy 4 homolog B (*S. cerevisiae*) , APG4B; cysteine protease ATG4B; Apg4B; AUTL1; DKFZp586D1822; KIAA0943; hAPG4B; autophagin-1; APG4 autophagy 4 homolog B; AUT-like 1 cysteine endopeptidase; autophagy-related protein 4 homolog B; autophagy-related cysteine endopeptidase 1; APG4B; MGC1353;

Gene ID

23192

mRNA Refseq

NM_013325

Protein Refseq

NP_037457

MIM

611338

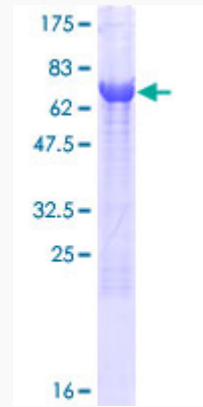
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UniProt ID

Q9Y4P1



12.5% SDS-PAGE Stained with Coomassie Blue.

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