

Recombinant Full Length Human ATG4C Protein, GST-tagged

Cat. No. ATG4C-1493HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATG4C full-length ORF (NP_116241.2, 1 a.a. - 458 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	458 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. Alternate transcriptional splice variants, encoding the same protein, have been characterized. [provided by RefSeq, Jul 2008]
Molecular Mass	78.9 kDa
AA Sequence	MEATGTDEVD KLKTKFISAW NNMKYSWVLK TKTYFSRNSP VLLLGKCYHF KYEDEDKTLF AESGCTIEDH VIAGNVEEFR KDFISRIWLT YREEFPQIEG SALTTDCGWG CTLRTGQMLL AQGLILHFLG RAWTWPDALN IENSSESWT SHTVKKFTAS FEASLSGERE FKPTPTISLKE TIGKYSDDE MRNEVYHRKI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ISWFGDSPLA LFGLHQLIEY GKKSGKKAGD WYGPAVVAHI LRKAVEEARH
 PDLQGITYV AQDCTVYNSD VIDKQSASMT SDNADDKAVI ILVPVRLGGE
 RTNTDYLEFV KGILSLEYCV GIIGGKPKQS YYFAGFQDDS LIYMDPHYCQ
 SFVDVSIKDF PLETFHCPSP KKMSFRKMDP SCTIGFYCRN VQDFKRASEE
 ITKMLKFSSK EKYPLFTFVN GHSRDYDFTS TTTNEEDLFS EDEKKQLKRF
 STEEFVLL

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

ATG4C ATG4 autophagy related 4 homolog C (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

ATG4C

Synonyms

ATG4C; ATG4 autophagy related 4 homolog C (*S. cerevisiae*); APG4 autophagy 4 homolog C (*S. cerevisiae*) , APG4C, AUT (*S. cerevisiae*) like 1, cysteine endopeptidase; AUT like 1, cysteine endopeptidase (*S. cerevisiae*) , AUTL1; cysteine protease ATG4C; AUTL3; FLJ14867; autophagin-3; APG4 autophagy 4 homolog C; AUT-like 3 cysteine endopeptidase; AUT-like 1, cysteine endopeptidase; autophagy-related protein 4 homolog C; autophagy-related cysteine endopeptidase 3; APG4C; AUTL1; APG4-C

Gene ID

84938

mRNA Refseq

NM_032852

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Protein Refseq NP_116241

MIM 611339

UniProt ID Q96DT6

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