

## Recombinant Human ATG4C, GST-tagged

Cat. No. ATG4C-9976H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human ATG4C protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 1-300a.a.

**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.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

## GENE INFORMATION

<b>Gene Name</b>	ATG4C ATG4 autophagy related 4 homolog C ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	ATG4C
<b>Synonyms</b>	ATG4C; ATG4 autophagy related 4 homolog C ( <i>S. cerevisiae</i> ); APG4 autophagy 4 homolog C ( <i>S. cerevisiae</i> ) , APG4C, AUT ( <i>S. cerevisiae</i> ) like 1, cysteine endopeptidase; AUT like 1, cysteine endopeptidase ( <i>S. cerevisiae</i> ) , 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;
<b>Gene ID</b>	84938
<b>mRNA Refseq</b>	NM_032852
<b>Protein Refseq</b>	NP_116241
<b>MIM</b>	611339
<b>UniProt ID</b>	Q96DT6
<b>Chromosome Location</b>	1p31.3
<b>Pathway</b>	Regulation of autophagy, organism-specific biosystem; Regulation of autophagy, conserved biosystem;
<b>Function</b>	cysteine-type endopeptidase activity; peptidase activity;

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