

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 ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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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
Protein Refseq	NP_116241
MIM	611339
UniProt ID	Q96DT6
Chromosome Location	1p31.3
Pathway	Regulation of autophagy, organism-specific biosystem; Regulation of autophagy, conserved biosystem;
Function	cysteine-type endopeptidase activity; peptidase activity;

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