

## Recombinant Human ATG4C, His-tagged

Cat. No. ATG4C-7865H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Cysteine Protease ATG4C/ATG4C is produced by our E. coli expression system. The target protein is expressed with sequence (Met1Leu458) of Human ATG4C fused with a 6His tag at the Cterminus.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Cysteine Protease ATG4C (ATG4C) belongs to the peptidase C54 family. It is required for autophagy, which cleaves the Cterminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I is subsequently converted to a smaller form which is considered to be the phosphatidylethanolamine (PE)conjugated form, and has the capacity for the binding to autophagosomes. ATG4C is a cytoplasmic protein and high expressed in skeletal muscle, liver, testis and heart. ATG4C can be inhibited by Nethylmaleimide.
<b>Form</b>	Supplied as a 0.2 µM filtered solution of 20mM TrisHCl, 100mM NaCl, 10% Glycerol, pH 8.0
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Notes</b>	For research use only.
<b>Storage</b>	Store at less than 20°C. stable for 6 months after receipt.Please minimize freezethaw cycles.

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## 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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