

Recombinant Human ATG4B, GST-tagged

Cat. No. ATG4B-9975H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATG4B protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-393a.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 different isoforms, 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	ATG4B ATG4 autophagy related 4 homolog B (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	ATG4B
Synonyms	ATG4B; ATG4 autophagy related 4 homolog B (<i>S. cerevisiae</i>); APG4 autophagy 4 homolog B (<i>S. cerevisiae</i>) , 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
UniProt ID	Q9Y4P1
Chromosome Location	2q37.3
Pathway	Regulation of autophagy, organism-specific biosystem; Regulation of autophagy, conserved biosystem;
Function	cysteine-type peptidase activity; peptidase activity; protein binding;

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