Recombinant Human ATG4B Protein, His-tagged

Cat. No. ATG4B-108H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant N-terminal histidine-tagged human ATG4B protein (2-393) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-393
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.
Molecular Mass	43.4 kDa
Purity	≥80% as determined by SDS-PAGE
Stability	≥ 1 year

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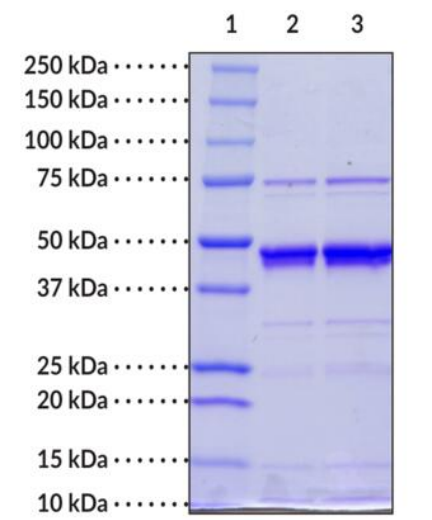
Storage	At -80 centigrade.
Storage Buffer	50 mM HEPES, pH 8.0, 150 mM sodium chloride, 10% glycerol

GENE INFORMATION

Gene Name	ATG4B autophagy related 4B cysteine peptidase [Homo sapiens (human)]
Official Symbol	ATG4B
Synonyms	ATG4B; autophagy related 4B cysteine peptidase; APG4B; AUTL1; cysteine protease ATG4B; APG4 autophagy 4 homolog B; ATG4 autophagy related 4 homolog B; AUT-like 1 cysteine endopeptidase; autophagin-1; autophagy-related cysteine endopeptidase 1; autophagy-related protein 4 homolog B; hAPG4B
Gene ID	23192
mRNA Refseq	NM_013325
Protein Refseq	NP_037457
MIM	611338
UniProt ID	Q9Y4P1

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SDS-PAGE analysis of ATG4B



Lane 1: MW Markers

Lane 2: ATG4B (2 μg)

Lane 3: ATG4B (4 μg)

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