

ATG4B recombinant protein

ATG4B, 1-393aa, Human, His tag, E Coli

CATALOG # AAA48780	HOST E Coli	APPLICATIONS SDS-Page
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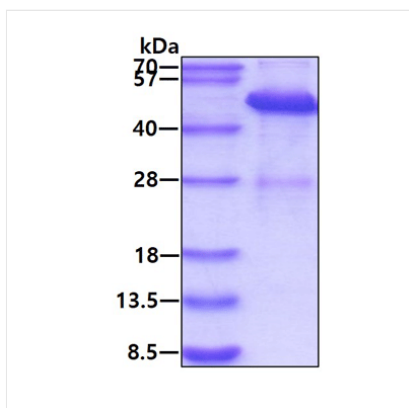
PRODUCT SYNONYMS

ATG4B; 1-393aa; Human; His tag; E Coli; Cysteine protease ATG4B; AuTL1; Autophagin-1; ATG4B recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 1mM DTT, 0.1mM PMSF
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MDAATLT YDT LRFAEFEDFP ETSEPVWILG RKYSIFTEKD EILSDVASRL WFTYRKNFPA IGGTGPTSDT GWGCMLRCGQ MIFAQALVCR HLGRDWRWTQ RKRQPD SYFS VLNAFIDRKD SYYSIHQIAQ MGVGEGKSIG QWYGPNTVAQ VLKKLAVFDT WSSLAVHIAM DNTVMEEIR RLCRTSVPCA GATAFPADSD RHCNGFPAGA EVTNRPSWR PLVLLIPLRL GLTDINEAYV ETLKHCFMMP QSLGVIGGKP NSAHYFIGYV GEELIYLDPH TTQPAVEPTD GCFIPDESFH CQHPPCRMSI AELDPSIAVG FFCKTEDDFN DWCQQVKKLS LLGGALPMFE LVEQQPSHLA CPDVLNLSLD SSDVERLERF FDSEDED FEI LSLLEHHHHH H
Sequence Length	393
Applicable Applications for ATG4B recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	1-393aa
Preparation and Storage	Can be stored at +2°C to +8°C short term (1 weeks). For long term storage, aliquot and store at -20°C or -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for ATG4B recombinant protein	ATG4B, also known as cysteine protease ATG4B, is a cysteine protease required for autophagy, which cleaves the C-terminal 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 (form II). Form II, with a revealed C-terminal glycine, is considered to be the phosphatidylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes. Recombinant human ATG4B protein, fused to His-tag at C-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for ATG4B recombinant protein	Ubiquitination
References	Sugawara K., et al. (2005) J. Biol. Chem. 280:40058-40065; Kumanomidou T., et al. (2006) J. Mol. Biol. 355:612-618;

NCBI AND UNIPROT INFORMATION

NCBI GI #	12653857
NCBI GeneID	23192
Molecular Weight	45.3 kDa (401aa) confirmed by MALDI-TOF
NCBI Official Full Name	ATG4 autophagy related 4 homolog B (S. cerevisiae)
NCBI Official Synonym Full Names	autophagy related 4B cysteine peptidase
NCBI Official Symbol	ATG4B
NCBI Official Synonym Symbols	APG4B; AUTL1
NCBI Protein Information	cysteine protease ATG4B
UniProt Protein Name	Cysteine protease ATG4B
UniProt Gene Name	ATG4B
UniProt Synonym Gene Names	APG4B; AUTL1; KIAA0943; hAPG4B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/atg4b-recombinant-protein-e-coli-sds-page/48780>