

Recombinant Human ATG16L1 protein, His & T7-tagged

Cat. No. ATG16L1-1470H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATG16L1 aa. (Met342~Tyr607 (Accession # Q676U5)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met342~Tyr607
Description	The protein encoded by this gene is part of a large protein complex that is necessary for autophagy, the major process by which intracellular components are targeted to lysosomes for degradation. Defects in this gene are a cause of susceptibility to inflammatory bowel disease type 10 (IBD10). Several transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	6.9

GENE INFORMATION

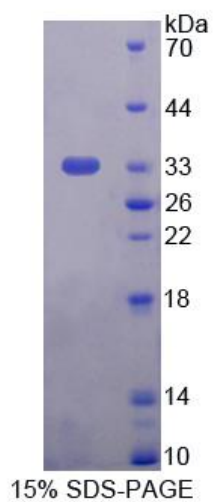
Gene Name	ATG16L1 autophagy related 16 like 1 [Homo sapiens (human)]
Official Symbol	ATG16L1
Synonyms	ATG16L1; autophagy related 16 like 1; IBD10; WDR30; APG16L; ATG16A; ATG16L; autophagy-related protein 16-1; APG16L beta; ATG16 autophagy related 16-like 1; WD repeat domain 30
Gene ID	55054
mRNA Refseq	NM_001190266.1
Protein Refseq	NP_001177195.1
UniProt ID	Q676U5

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SDS-PAGE



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