

Recombinant Full Length Human ATG16L1 Protein, GST-tagged

Cat. No. ATG16L1-1215HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATG16L1 full-length ORF (NP_110430.4, 1 a.a. - 523 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	523 amino acids
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.[provided by RefSeq, Jun 2010]
Molecular Mass	84.7 kDa
AA Sequence	MAQLRIKHQE ELTELHKKRG ELAQLVIDLN NQMQRKDREM QMNEAKIAEC LQTISDLETE CLDLRTKLCD LERANQTLKD EYDALQITFT ALEGKLRKTT EENQELVTRW MAEKAQEANR LNAENEKDSR RRQARLQKEL AEAAKEPLPV EQDDDIEVIV DETSDHTEET SPVRAISRAA TKRLSQPAGG LLDSITNIFG RRSVSSFPVP QDNVDTHPGS GKEVRVPATA LCVFDAHDGE VNAVQFSPGS RLLATGGMDR RVKLWEVFGE KCEFKGSLSG SNAGITSIEF DSAGSYLLAA SNDFASRIWT VDDYRLRHTL TGHSGKVLSA KFLLDNARIV SGSHDRTLKL

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WDLRSKVCIK TVFAGSSCND IVCTEQCVMS GHFDKKIRFW DIRSESIVRE
 MELLGKITAL DLNPERTELL SCSRDDLKLV IDLRTNAIKQ TFSAPGFKCG
 SDWTRVVFSP DGSYVAAGSA EGSLYIWSVL TGKVEKVL SK QHSSSINAVA
 WSPSGSHVVS VDKGCKAVLW AQY

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ATG16L1 ATG16 autophagy related 16-like 1 (S. cerevisiae) [Homo sapiens]

Official Symbol

ATG16L1

Synonyms

ATG16L1; ATG16 autophagy related 16-like 1 (S. cerevisiae); APG16 autophagy 16 like (S. cerevisiae) , APG16L, ATG16 autophagy related 16 like (S. cerevisiae) , ATG16L; autophagy-related protein 16-1; ATG16A; FLJ10035; WDR30; APG16L beta; WD repeat domain 30; IBD10; APG16L; ATG16L; FLJ00045; FLJ10828; FLJ22677

Gene ID

55054

mRNA Refseq

NM_001190266

Protein Refseq

NP_001177195

MIM

610767

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UniProt ID

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