

# Recombinant Full Length Human ATG16L1 Protein, GST-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ATG16L1 full-length ORF ( NP_110430.4, 1 a.a. - 523 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 523 amino acids                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 84.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MAQLRIKHQE ELTELHKKRG ELAQLVIDLN NQMQRKDREM QMNEAKIAEC<br>LQTISDLETE CLDLRTKLCD LERANQTLKD EYDALQITFT ALEGKLRKTT<br>EENQELVTRW MAEKAQEANR LNAENEKDSR RRQARLQKEL AEAAKEPLPV<br>EQDDDIEVIV DETSDHTEET SPVRAISRAA TKRLSQPAGG LLDSITNIFG<br>RRSVSSFPVP QDNVDTHPGS GKEVRVPATA LCVFDAHDGE VNAVQFSPGS<br>RLLATGGMDR RVKLWEVFGE KCEFKGSLSG SNAGITSIEF DSAGSYLLAA<br>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**

Q676U5

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