

# 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 LQTISDLETE CLDLRRTLCD LERANQTLKD EYDALQITFT ALEGKLRKTT EENQELVTRW MAEKAQEANR LNAENKDSR RRQARLQKEL AEAAKEPLPV EQDDDIEVIV DETSDHTEET SPVRAISRAA TKRLSQPAGG LLDSITNIFG RRSVSSFPVP QDNVDTHPGS GKEVRVPATA LCVFDAHDGE VNAVQFSPGS RLLATGGMDR RVKLWEVFG E KCEFKGSLSG SNAGITSIEF DSAGSYLLAA SNDFASRIWT VDDYRLRHTL TGHSGKVL SA KFLLDNARIV SGSHDRTLKL

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WDLRSKVCIK TVFAGSSCND IVCTEQCVMS GHFDKKIRFW DIRSESIVRE  
 MELLGKITAL DLNPERTELL SCSRDDLLKV IDLRTNAIKQ TFSAPGFKCG  
 SDWTRVVFSP DGSYVAAGSA EGSLYIWSVL TGKVEKVLK 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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