

## Recombinant Human ATG16L1 protein, GST-tagged

**Cat. No.** ATG16L1-945H    **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>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <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>      | MAQLRIKHQEELTELHKKRGELAQLVIDLNNQMQRKDREMQMNEAKIAECLQTISDL<br>ETECCLDLRTKLCDLERANQTLKDEYDALQITFTALEGKLRKTTEENQELVTRWMAEK<br>AQEANRLNAENEKDSRRRQARLQKELAEAAKEPLPVEQDDDIEVIVDETS DHTEETS<br>PVRAISRAATKRLSQPAGGLLDSITNIFGRRSVSSFPVPQDNVDTHPGSGKEVRVPA<br>TALCVFDAHDGEVNAVQFSPGSRLLATGGMDRRVKLWEVFGKECFKGSLSGSNA<br>GITSIEFDSAGSYLLAASNDFASRIWTVDDYRLRHTLTGHSGKVLSAKFLLDNARIVS<br>GSHDRTLKLWDLRSKVCIKTVFAGSSCN DIVCTEQCVMSGHFDKKIRFWDIRSESIV<br>REMELLGKITALDLNPERTELLSCSRDDLLKVIDLRTNAIKQTF SAPGFKCGSDWTRV<br>VFSPDGSYVAAGSAEGSLYIWSVLTGKVEKVLSKQHSSSINAVAWSPSGSHVVSVD |

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|                         |                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | KGCKAVLWAQY                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array                                                                                                                                                                                                             |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                  |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                         |
| <b>Gene Name</b>        | ATG16L1 ATG16 autophagy related 16-like 1 (S. cerevisiae) [ Homo sapiens ]                                                                                                                                                                                                                                              |
| <b>Official Symbol</b>  | ATG16L1                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 55054                                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_001190266                                                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>   | NP_001177195                                                                                                                                                                                                                                                                                                            |
| <b>MIM</b>              | 610767                                                                                                                                                                                                                                                                                                                  |

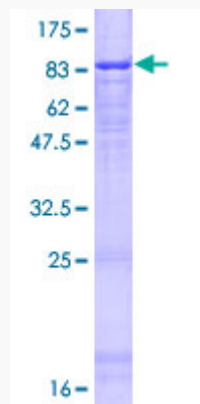
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UniProt ID

Q676U5



12.5% SDS-PAGE Stained with Coomassie Blue.

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