

Recombinant Human ATG16L1 protein, GST-tagged

Cat. No. ATG16L1-945H **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	Wheat Germ
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	MAQLRIKHQEELTELHKKRGELAQLVIDLNNQMQRKDREMQMNEAKIAECLQTISDL ETECCLDLRTKLCDLERANQTLKDEYDALQITFTALEGKLKRTTEENQELVTRWMAEK AQEANRLNAENEKDSRRRQARLQKELAEAAKEPLPVEQDDDIEVIVDETS DHTEETS PVRAISRAATKRLSQPAGGLLDSITNIFGRRSVSSFPVPQDNVDTHPGSGKEVRVPA TALCVFDAHDGEVNAVQFSPGSRLLATGGMDRRVKLWEVFGKECFKGSLSGSNA GITSIEFDSAGSYLLAASNDFASRIWTVDDYRLRHTLTGHSGKVLSAKFLLDNARIVS GSHDRTLKLWDLRSKVCIKTVFAGSSCN DIVCTEQCVMSGHFDDKIRFWDIRSESIV REMELLGKITALDLNPERTELLSCSRDDLLKVIDLRTNAIKQTF SAPGFKCGSDWTRV VFSPDGSYVAAGSAEGSLYIWSVLTGKVEKVLSKQHSSSINAVAWSPSGSHVVSVD

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	KGCKAVLWAQY
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
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

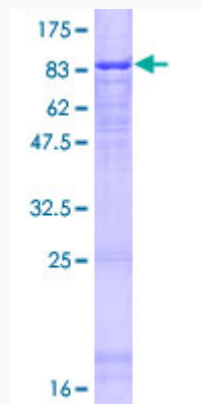
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UniProt ID

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12.5% SDS-PAGE Stained with Coomassie Blue.

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