

Recombinant Full Length Human ATG10 Protein, GST-tagged

Cat. No. ATG10-1462HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATG10 full-length ORF (NP_113670.1, 1 a.a. - 220 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	220 amino acids
Description	Autophagy is a process for the bulk degradation of cytosolic compartments by lysosomes. ATG10 is an E2-like enzyme involved in 2 ubiquitin-like modifications essential for autophagosome formation: ATG12 (MIM 609608)-ATG5 (MIM 604261) conjugation and modification of a soluble form of MAP-LC3 (MAP1LC3A; MIM 601242), a homolog of yeast Apg8, to a membrane-bound form (Nemoto et al., 2003 [PubMed 12890687]).[supplied by OMIM, Mar 2008]
Molecular Mass	51.7 kDa
AA Sequence	MEEDFIGEK TFQRYCAEFI KHSQQIGDSW EWRPSKDCSD GYMCKIHFQI KNGSVMSHLG ASTHGQTCLP MEEAFELPLD DCEVIETAAA SEVIKYEYHV LYSCSYQVPV LYFRASFLDG RPLTLKDIWE GVHECYKMRL LQGPWDTITQ QEHPILGQPF FVLHPCKTNE FMTPVLKNSQ KINKNVNYIT SWLSIVGPVV GLNLPLSYAK ATSQDERNVP
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 ATG10 ATG10 autophagy related 10 homolog (S. cerevisiae) [Homo sapiens]

Official Symbol ATG10

Synonyms ATG10; ATG10 autophagy related 10 homolog (S. cerevisiae); APG10 autophagy 10 like (S. cerevisiae) , APG10L; ubiquitin-like-conjugating enzyme ATG10; DKFZP586I0418; FLJ13954; autophagy-related protein 10; APG10; APG10L; pp12616; DKFZp586I0418

Gene ID 83734

mRNA Refseq NM_001131028

Protein Refseq NP_001124500

MIM 610800

UniProt ID Q9H0Y0

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA