

## Recombinant Full Length Human ATG10 Protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Human ATG10 full-length ORF ( NP_113670.1, 1 a.a. - 220 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>	220 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	51.7 kDa
<b>AA Sequence</b>	MEDEFIDGEK TFQRYCAEFI KHSQQIGDSW EWRPSKDCSD GYMCKIHFQI KNGSVMSHLG ASTHGQTCLP MEEAFELPLD DCEVIETAAA SEVIKYEYHV LYSCSYQVPV LYFRASFLDG RPLTLKDIWE GVHECYKMRL LQGPWDTITQ QEHPILGQPF FVLHPCKTNE FMTPVLKNSQ KINKNVNYIT SWLSIVGPVV GLNLPLSYAK ATSQDERNVP
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);

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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](#)

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