

Recombinant Human ATG10 protein, GST-tagged

Cat. No. ATG10-942H **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	Wheat Germ
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	MEEDFIGEKTFRQRYCAEFIKHSQQIGDSWEWRPSKDCSDGYMCKIHFIKNGSVM SHLGASTHGQTCLPMEEAFELPLDDCEVIETAAASEVIKYEHVLYSCSYQVPVLYF RASFLDGRPLTLKDIWEGVHECYKMRLLQGPWDTITQQEHPILGQPFFVLHPCKTNE FMTPLKNSQKINKNVNYITSWLSIVGPVVGLNLPLSYAKATSQDERNVP
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.

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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](#)

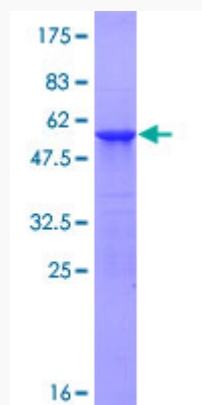
MIM [610800](#)

UniProt ID [Q9H0Y0](#)

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12.5% SDS-PAGE Stained with Coomassie Blue.

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