

Recombinant Full Length Human ATG12 Protein, GST-tagged

Cat. No. ATG12-1093HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATG12 full-length ORF (AAH11033, 1 a.a. - 74 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	74 amino acids
Description	Autophagy is a process of bulk protein degradation in which cytoplasmic components, including organelles, are enclosed in double-membrane structures called autophagosomes and delivered to lysosomes or vacuoles for degradation. ATG12 is the human homolog of a yeast protein involved in autophagy (Mizushima et al., 1998 [PubMed 9852036]).[supplied by OMIM, Mar 2008]
Molecular Mass	33.88 kDa
AA Sequence	MAEEPQSVLQ LPTSIAAGGE GLTDVSPETT TPEPPSSAAV SPGTEEPAGD TKKKIYLCES VLCSFPRPRS WNSL
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [ATG12](#) [ATG12 autophagy related 12 homolog \(S. cerevisiae\)](#) [[Homo sapiens](#)]

Official Symbol [ATG12](#)

Synonyms [ATG12](#); [ATG12 autophagy related 12 homolog \(S. cerevisiae\)](#); [Apg12 \(autophagy 12, S. cerevisiae\) like](#) , [APG12 autophagy 12 like \(S. cerevisiae\)](#) , [APG12L](#); [ubiquitin-like protein ATG12](#); [APG12](#); [APG12 autophagy 12 like](#); [autophagy-related protein 12](#); [Apg12 \(autophagy, yeast\) homolog](#); [FBR93](#); [APG12L](#); [HAPG12](#)

Gene ID [9140](#)

mRNA Refseq [NM_004707](#)

Protein Refseq [NP_004698](#)

MIM [609608](#)

UniProt ID [O94817](#)

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