

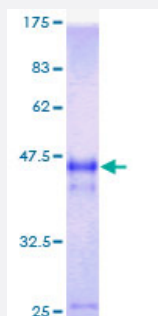
Full-Length

ATG12 (Human) Recombinant Protein (P01)

Catalog # H00009140-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ATG12 full-length ORF (AAH11033, 1 a.a. - 74 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAEEPQSVLQLPTSIAAGGEGGLTDVSPETTTPEPPSSAAVSPGTEEPAGDTKKKMLCESVLCSPRPRSWNSL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.88
Interspecies Antigen Sequence	Mouse (88); Rat (85)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ATG12

Entrez GeneID	9140
GeneBank Accession#	BC011033
Protein Accession#	AAH11033
Gene Name	ATG12
Gene Alias	APG12, APG12L, FBR93, HAPG12
Gene Description	ATG12 autophagy related 12 homolog (S. cerevisiae)
Omim ID	609608
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	APG12 autophagy 12-like Apg12 (autophagy, yeast) homolog

Pathway

- [Regulation of autophagy](#)

Disease

- [Adenocarcinoma](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)
- [Microsatellite Instability](#)
- [Stomach Neoplasms](#)