

ATG10 Protein, Human (GST)

Cat. No.:	HY-P701246
Synonyms:	Ubiquitin-Like-Conjugating Enzyme ATG10; Autophagy-Related Protein 10; APG10-Like; ATG10
Species:	Human
Source:	E. coli
Accession:	Q9H0Y0 (M1-P220)
Gene ID:	83734
Molecular Weight:	52.3 kDa

PROPERTIES

AA Sequence	<pre> M E E D E F I G E K T F Q R Y C A E F I K H S Q Q I G D S W E W R P S K D C S D G Y M C K I H F Q I K N G S V M S H L G A S T H G Q T C L P M E E A F E L P L D D C E V I E T A A A S E V I K Y E Y H V L Y S C S Y Q V P V L Y F R A S F L D G R P L T L K D I W E G V H E C Y K M R L L Q G P W D T I T Q Q E H P I L G Q P F F V L H P C K T N E F M T P V L K N S Q K I N K N V N Y I T S W L S I V G P V V G L N L P L S Y A K A T S Q D E R N V P </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris-based buffer,50% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Autophagy-related 10 (ATG10) is essential for autophagy since it promotes ATG5-ATG12 complex formation. Autophagy-related 10 gene (ATG10), which encodes an E2-like enzyme, interacts with ATG7 to receive an ubiquitin-like protein ATG12, recognizes both ATG12 and ATG5 directly and catalyzes their conjugation reaction. ATG10 plays an important role in the invasion and proliferation of cancer cells, and bacterial infections ^[1] .
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA