

Active Recombinant Human ATG3 Protein, His-tagged

Cat. No. ATG3-744H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATG3 (Accession # NP_071933), fused with a C-terminal 6-His tag, was produced in E. coli.
Species	Human
Source	E.coli
Form	X mg/ml (X μ M) in 50 mM HEPES pH 7.5, 100 mM NaCl, 10% Glycerol (v/v), 1 mM TCEP
Bio-activity	Recombinant Human His6-Apg3p/ATG3/Apg3L is a member of the Apg-conjugating (E2) enzyme family that receives Apg from a Apg-activating (E1) enzyme and subsequently interacts with a Apg ligase (E3) to conjugate Apg to substrate proteins. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human His6-Apg3p/ATG3/Apg3L concentration of 0.1-1 μ M.
Molecular Mass	Recombinant Human ATG3, His-tagged has a calculated MW of 37 kDa.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	ATG3 ATG3 autophagy related 3 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	ATG3
Synonyms	ATG3; ATG3 autophagy related 3 homolog (S. cerevisiae); APG3 autophagy 3 like (S. cerevisiae) , APG3L; ubiquitin-like-conjugating enzyme ATG3; DKFZp564M1178; FLJ22125; MGC15201; PC3 96; hApg3; 2610016C12Rik; autophagy-related protein 3; APG3; APG3L; PC3-96; APG3-LIKE;
Gene ID	64422
mRNA Refseq	NM_022488
Protein Refseq	NP_071933
MIM	609606
UniProt ID	Q9NT62
Chromosome Location	3q13.2

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