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# 32-8056: Recombinant Human Ubiquitin-like-conjugating Enzyme ATG3/ATG3

**Gene :** ATG3
**Gene ID :** 64422
**Uniprot ID :** Q9NT62

## Description

Source: E.coli.
MW :36kD.
Recombinant Human Ubiquitin-like-conjugating Enzyme ATG3 is produced by our E.coli expression system and the target gene encoding Met1-Met314 is expressed. Ubiquitin-like-conjugating enzyme ATG3 (ATG3), also known as Apg3L and Apg3p, functions as a regulatory component of autophagosome biogenesis necessary for autophagy. ATG3 exhibits 98% aa sequence identity with both its mouse and rat orthologs. It is widely expressed and has highly levels in heart, skeletal muscle, kidney, liver and placenta. As an E2-like enzyme, involves in autophagy and mitochondrial homeostasis. ATG3 catalyzes the conjugation of ATG8-like proteins to PE which is essential for autophagy. ATG3 also can catalyze the conjugation of ATG12 to itself which palys a role in mitochondrial homeostasis but not in autophagy.

## Product Info

**Amount :** 10 µg / 50 µg
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl,10% Glycerol,pH 8.0 .
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
**Amino Acid :** GSMQNVINTVKGKALEVAEYLTPVLKESKFKETGVITPEEFVAAGDHLVHHCPTWQWATGEELKVKAYLPTGK QFLVTKNVPCYKRCKQMEYSDELEAIIEEDDGDGGWVDTYHNTGITGITEAVKEITLENKDNIRLQDCSALCEEE EDEDEGEAADMEEYEESGLLETDEATLDTRKIVEACKAKTDAGGEDAILQTRTYDLYITYDKYYQTPRLWLFGY DEQRQPLTVEHMYEDISQDHVKKTVTIENHPHLPPPPMCSVHPCRHAEVMKKIIETVAEGGGELGVHMYLLIFLK FVQAVIPTIEYDYTRHFTM

## Application Note

**Endotoxin :** Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***