

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 plays 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 : GSMQNVINTVKGKALEVAEYLTPLVKESKFKETGVITPEEFVAAGDHLVHHCPWQWATGEELKVK
AYLPTGKQFLVTKNVPCYKRCKQMEYSDELEAIIEDDDGGWVDYHNTGITGITEAVKEITLENK
DNIRLQDCSALCEEEDEDEGEAADMEEYEESSGLLETDEATLDTRKIVEACKAKTDAGGEDAILQT
RTYDLYITYDKYYQTPRLWLFQYDEQRQPLTVEHMYEDISQDHVKKTVTIENHPLPPPMCSVHP
CRHAEVMKKIETVAEGGGELGVHMYLLIFLKVFQAVIPTIEYDYTRHFTM

Application Note

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