

Recombinant Human Autophagy Related 3 Homolog/ATG3 Protein(C-6His, N-T7 tag)

Cat.NO.: TP04583

3th Edition

Synonyms:Ubiquitin-like-conjugating enzyme ATG3; Autophagy-related protein 3; APG3-like; hApg3; Protein PC3-96; ATG3; APG3; APG3L

Description: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.

Form:PBS

Molecular Weight:36 kDa

Sequences:Met 1-Met314

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.