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Datasheet for ABIN7318184
ATG3 Protein

Overview

Quantity:	50 µg
Target:	ATG3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human ATG3 Protein
Sequence:	Met 1-Met314
Characteristics:	Recombinant Human Ubiquitin-like-conjugating Enzyme ATG3/ATG3 is produced by our E.coli expression system and the target gene encoding Met1-Met314 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ATG3
Alternative Name:	ATG3 (ATG3 Products)
Background:	Background: 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-

Target Details

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.

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

Molecular Weight: 36 kDa

UniProt: [Q9NT62](#)

Pathways: [Autophagy](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 10 % Glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.