9051 Mira Mesa Blvd, #910094
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ATG3 Human

Autophagy Related 3 Human Recombinant
RCP0133

Product Overview

Name	ATG3 Human
Description	
Autophagy Related 3 Human Recombinant	
Accession (Primary)	Q9NT62
Synonyms	
APG3, APG3-LIKE, APG3L, PC3-96, Ubiquitin-like-conjugating enzyme ATG3, Autophagy-related protein 3, hApg3, PC3-96, ATG3.	
Introduction	
Autophagy Related 3 (ATG3) is a conjugating enzyme essential for the cytoplasm to vacuole transport (Cvt), autophagy, and mitochondrial homeostasis. ATG3 is localizes to the cytoplasm and is expressed in tissues with predominant levels found in kidney, placenta, liver, heart and skeletal muscle. ATG3 catalyzes a reaction which is necessary for autophagy. That reaction is the formation of the Atg8-phosphatidylethanolamine (ATG-PE) conjugate.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
ATG3 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MQNVINT VKGKALEVAE YLTPVLKESK FKETGVITPE EFVAAGDHLV HHCPTWQWAT GEELKVKAYL PTGKQFLVTK NVPCYKRCKQ MEYSDELEAI IEEDDGDGGW VDTYHNTGIT GITEAVKEIT LENKDNIRLQ DCSALCEEEE DEDEGEAADM EEYEESGLLE TDEATLDTRK IVEACKAKTD AGGEDAILQT RTYDLYITYD KYYQTPRLWL FGYDEQRQPL TVEHMYEDIS QDHVKKTVTI ENHPHLPPPP	

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MCSVHPCRHA EVMKKIIETV AEGGGELGVH MYLLIFLKFV QAVIPTIEYD YTRHFTM.

Precautions

ATG3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NT62)