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## 32-3260: ATG3 Recombinant Protein

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| **Alternative Name :** | APG3,APG3-LIKE,APG3L,PC3-96,Ubiquitin-like-conjugating enzyme ATG3,Autophagy-related protein 3,hApg3,PC3-96,ATG3. |

## Description

Source : Escherichia Coli. ATG3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 337 amino acids (1-314 a.a) and having a molecular mass of 38.3kDa. ATG3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

## Product Info

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| **Amount :** | 20 µg |
| **Purification :** | Greater than 85.0% as determined by SDS-PAGE. |
| **Content :** | ATG3 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol. |
| **Storage condition :** | 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. |
| **Amino Acid :** | MGSSHHHHHH SSGLVPRGSH MGSMQNVINT 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 MCSVHPCRHA EVMKKIIETV AEGGGELGVH MYLLIFLKFV QAVIPTIEYD YTRHFTM. |

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