

32-3259: ATG10 Recombinant Protein

Alternative Name : Autophagy Related Protein 10, ATG10 Autophagy Related 10 Homolog (S. Cerevisiae), Ubiquitin-Like-Conjugating Enzyme ATG10, APG10 Autophagy 10-Like (S. Cerevisiae), APG10-Like, APG10L, Pp12616, DKFZP586I0418, FLJ13954, EC 6.3.2.-.

Description

Source : E.coli. ATG10 Human Recombinant produced in E. coli is a single polypeptide chain containing 243 amino acids (1-220) and having a molecular mass of 27.7 kDa. ATG10 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Ubiquitin-like-conjugating enzyme ATG10 (ATG10) is a 220 amino acid protein which localizes to the cytoplasm and has a role in autophagy, specifically acting as an E2-like enzyme providing Atg recognition sites during autophagosome synthesis. ATG10 functions as an E2-like enzyme which catalyzes the conjugation of ATG12 to ATG5, which is required for autophagy. In addition, ATG10 interacts with ATG12 in human embryonic kidney cells in the presence of ATG7. ATG10 probably serves as an ATG5-recognition molecule. Furthermore, ATG10 has a role in adenovirus-mediated cell lysis.

Product Info

Amount : 20 µg
Purification : Greater than 95% as determined by SDS-PAGE.
Content : The ATG10 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT 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 MGSMEEDFEI GEKTFQRYCA EFIKHSQQIG DSWEWRPSKD
 CSDGYMCKIH FQIKNGSVMS HLGASTHGQT CLPMEEAFEL PLDDCEVIET AAASEVIKYE
 YHVLVSCSYQ VPVLYFRASF LDGRPLTLKD IWEGVHECYK MRLLQGPWDT ITQQEHPILG
 QPFFVLHPCK TNEFMTPVLK NSQKINKNVN YITSWLSIVG PVVGLNLPLS YAKATSQDER NVP

