

32-3262: ATG5 Recombinant Protein

Alternative Name : Autophagy protein 5,APG5-like,Apoptosis-specific protein,ATG5,ASP,APG5,APG5L,hAPG5.

Description

Source : Escherichia Coli. ATG5 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 295 amino acids (1-275a.a.) and having a molecular mass of 34.6kDa.ATG5 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. ATG5 is a member of the autophagy-related (ATG) genes family. Autophagy is a catabolic process for the autophagosomic-lysosomal degradation of bulk cytoplasmic contents. ATG5 protein is essential for autophagy. It conjugates to ATG12 and associates with isolation membrane to form autophagosomes. In addition ATG5 takes a vital part in the apoptotic process and it is expressed relatively late in the apoptotic process, downstream of caspase activity.

Product Info

Amount :	10 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	ATG5 at a concentration of 0.25mg/ml containing 20mM Tris-HCl, pH 8.0, 1mM DTT , 0.2M NaCl and 40% 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 :	MGSSHHHHH SSGLVPRGSH MTDDKDVL RD VWFGRIPTCF TLYQDEITER EAEPYLLLPVSYLT LVTD KVKKHFQKVM RQEDISEIWF EYEGTPLKWH YPIGLLDLL ASSSALPWNITVHF KSFPEK DLLHCPSKDA IEAHFMSCMK EADALKHKSQ VINEMQKKDH KQLWMGLQND RFDQFWAINR KLMEYP AEEN GFRYIPFRIY QTTTERPFIQ KLFRPVAADG QLHTLGDLLKEVCPSAIDPE DGEKKNQVMI HGIEPMLETP LQWLSEHLSY PDNFLHISII PQPTD

