

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 :	MGSSHHHHHH SSGLVPRGSH MTDDKDVLRD VWFGRIPTCF TLYQDEITER EAEPYLLLPVSYLTLVTD KVKKHFQKVM RQEDISEIWF EYEGTPLKWH YPIGLLFDLL ASSSALPWNITVHFKSFPEK DLLHCPSKDA IEAHFMSCMK EADALKHKSQ VINEMQKGDH KQLWMGLQND RFDQFWAINR KLMEYPAAEEN GFRYIPFRIY QTTTERPFIQ KLFRPVAADG QLHTLGDLLKEVCPSAIDPE DGEKKNQVMI HGIEPMLETP LQWLSEHLSY PDNFLHISII PQPTD