

Autophagy Related 5 Human Recombinant

Item Number	rAP-2821
Synonyms	Autophagy protein 5, APG5-like, Apoptosis-specific protein, ATG5, ASP, APG5, APG5L, hAPG5.
Description	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.
Uniprot Accession Number	Q9H1Y0
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MTDDKDVLRD VVFGRIPTCF TLYQDEITER EAEPYYLLLPRVSYLT-LVTD KVKKHFQKVM RQEDISEIWF EYEGTPLKWH YPIGLLFDLL ASSSALPWNITVHFKSFPEK DLLHCPSKDA IEAHFMSCMK EADALKHKSQ VINEMQKQDH KQLWMGLQND RFDQFWAINR KLMEY-PAEEN GFRYIPFRIY QTTTERPFIQ KLFRPVAADG QLHTLGDLLKEVCPSAIDPE DGEKKNQVMI HGIEPMLETP LQWLSEHLSY PDNFLHISII PQPTD
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	ATG5 at a concentration of 0.25mg/ml containing 20mM Tris-HCl, pH 8.0, 1mM DTT , 0.2M NaCl and 40% glycerol. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**