

## 32-8253: Recombinant Human Autophagy Related 5 Homolog/ATG5

**Gene :** ATG5  
**Gene ID :** 9474  
**Uniprot ID :** Q9H1Y0

### Description

Source: E. coli.  
MW :32.4kD.

Recombinant Human Autophagy protein 5 is produced by our E.coli expression system and the target gene encoding Met1-Asp275 is expressed. ATG5 is an E2 ubiquitin ligase which is necessary for autophagy. Its expression is a relatively late event in the apoptotic process, occurring downstream of caspase activity, dramatically highly expressed in apoptotic cells. It is activated by ATG7, conjugates to ATG12 and associates with isolation membrane to form cup-shaped isolation membrane and autophagosome. The conjugate complex detaches from the membrane immediately before or after autophagosome formation is completed. ATG5 plays an important role in the apoptotic process, possibly within the modified cytoskeleton.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM Tris,0.2M NaCl,1mM DTT,40%glycerol, pH 8.0 .  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MTDDKDVLRDVWFGRIPTCFTLYQDEITEREAEPYLLLPVSYLTLVTDKVKKHFQKVMRQEDISEIWFYEGT  
PLKWHYPIGLLLFDLLASSALPWNITVHFKSFPEKDLLHCPSKDAIEAHFMSCMKEADALKHKSQVINEMQKKD  
HKQLWMGLQNDRFDQFWAINRKLMEYPAEENGFYIPFRIYQTTTERPFIQKLFPRVAADGQLHTLGDLLKEVC  
PSAIDPEDGEKKNQVMIHGIEPMELETPLQWLSEHLSYPDNFLHISIIPOPTD

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.