

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.