

Product Name: Recombinant Human ATG5
Catalog #: PEH0112

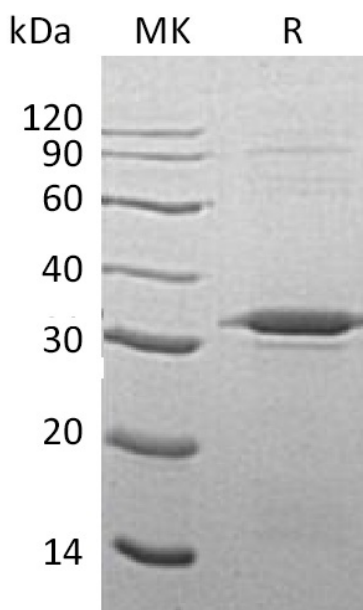


Summary

Name	ATG5/Autophagy protein 5/APG5L/ASP
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Autophagy Related 5 Homolog is produced by our E.coli expression system and the target gene encoding Met1-Asp275 is expressed.
Accession #	Q9H1Y0
Host	E.coli
Species	Human
Predicted Molecular Mass	32.4 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 0.2M NaCl, 1mM DTT, 40% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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Alternative Names

Autophagy protein 5; APG5-like; Apoptosis-specific protein; APG5L; ASP; ATG5;

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.