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## Datasheet for ABIN7318187 **ATG5 Protein**

### Overview

Quantity:	50 µg
Target:	ATG5
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Human ATG5 Protein
Sequence:	Met 1-Asp275
Characteristics:	Recombinant Human Autophagy Related 5 Homolog is produced by our E.coli expression system and the target gene encoding Met1-Asp275 is expressed.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	ATG5
Alternative Name:	ATG5 ( <a href="#">ATG5 Products</a> )
Background:	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

## Target Details

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.

Synonym: Autophagy protein 5, APG5-like, Apoptosis-specific protein, APG5L, ASP, ATG5,

Molecular Weight: 32.4 kDa

UniProt: [Q9H1Y0](#)

Pathways: [Activation of Innate immune Response](#), [Production of Molecular Mediator of Immune Response](#), [Autophagy](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris, 0.2M NaCl, 1 mM DTT, 40 % glycerol, pH 8.0

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.