



## Human ATG5 peptide (DAG-P1325)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	Required for autophagy. Conjugates to ATG12 and associates with isolation membrane to form cup-shaped isolation membrane and autophagosome. The conjugate detaches from the membrane immediately before or after autophagosome formation is completed. May play an important role in the apoptotic process, possibly within the modified cytoskeleton. Its expression is a relatively late event in the apoptotic process, occurring downstream of caspase activity.
<b>Specificity</b>	Ubiquitous. The mRNA is present at similar levels in viable and apoptotic cells, whereas the protein is dramatically highly expressed in apoptotic cells.
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the ATG5 family.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">ATG5 autophagy related 5 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ATG5
<b>Synonyms</b>	ATG5; autophagy related 5; ASP; APG5; APG5L; hAPG5; APG5-LIKE; autophagy protein 5; apoptosis-specific protein; ATG5 autophagy related 5 homolog;

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<b>Entrez Gene ID</b>	<a href="#">9474</a>
<b>mRNA Refseq</b>	<a href="#">NM_001286106.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001273035.1</a>
<b>UniProt ID</b>	A9UGY9
<b>Chromosome Location</b>	6q21
<b>Pathway</b>	Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Negative regulators of RIG-I/MDA5 signaling, organism-specific biosystem; RIG-I-like receptor signaling pathway, organism-specific biosystem; RIG-I-like receptor signaling pathway, conserved biosystem; RIG-I/MDA5 mediated induction of IFN-alpha/beta pathways, organism-specific biosystem; Regulation of autophagy, organism-specific biosystem; Regulation of autophagy, conserved biosystem; Senescence and A
<b>Function</b>	protein binding;

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