



Human ATG10 peptide (DAG-P0174)

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

PRODUCT INFORMATION

Antigen Description	Autophagy is a process for the bulk degradation of cytosolic compartments by lysosomes. ATG10 is an E2-like enzyme involved in 2 ubiquitin-like modifications essential for autophagosome formation: ATG12 (MIM 609608)-ATG5 (MIM 604261) conjugation and modification of a soluble form of MAP-LC3 (MAP1LC3A; MIM 601242), a homolog of yeast Apg8, to a membrane-bound form (Nemoto et al., 2003 [PubMed 12890687]).[supplied by OMIM, Mar 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the ATG10 family.
Format	Liquid
Preservative	None
Storage	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

Gene Name	ATG10 autophagy related 10 [Homo sapiens (human)]
Official Symbol	ATG10
Synonyms	ATG10; autophagy related 10; APG10; APG10L; pp12616; ubiquitin-like-conjugating enzyme ATG10; autophagy-related protein 10; ATG10 autophagy related 10 homolog;
Entrez Gene ID	83734

mRNA Refseq	NM_001131028.1
Protein Refseq	NP_001124500.1
UniProt ID	Q9H0Y0
Chromosome Location	5q14.1
Pathway	Regulation of autophagy, organism-specific biosystem; Regulation of autophagy, conserved biosystem; Senescence and Autophagy, organism-specific biosystem;
Function	Atg12 ligase activity;