

Product datasheet for **AR50566PU-N**

APG10L / ATG10 (1-220, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	APG10L / ATG10 (1-220, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMEDEFI GEKTFQRYCA EFIKHSQQIG DSWEWRPSKD CSDGYMCKIH FQIKNGSVMS HLGASTHGQT CLPMEEAFEL PLDDCEVIET AAASEVIKYE YHVLVYCSYQ VPVLYFRASF LDGRPLTKD IWEGVHECYK MRLQGPWDT ITQQEHPILG QPFFVLHPCK TNEFMTPVLK NSQKINKNVN YITSWLSIVG PVVGLNLPLS YAKATSQDER NVP
Tag:	His-tag
Predicted MW:	27.7 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ATG10 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001124500
Locus ID:	83734
UniProt ID:	Q9H0Y0
Cytogenetics:	5q14.1-q14.2
Synonyms:	APG10; APG10L; pp12616



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Summary:

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]

Product images: