

Recombinant Human ATG5 protein, T7-tagged

Cat. No. ATG5-174H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human APG5L (275 aa) fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	275 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGEFGSMTDDKDVLRDVWFGRIPTCFTLYQDEITEREAEPYYLL LPRVSYLTLVTDKVKKHFKQ VMRQEDISEIWFYEGTCLKWHYPIGLLFDLLASSAL PWNITVHFKSFPEKDLLHCPKDAIEAHFMSCMKEAD ALKHKSQVINEMQKKDHKQ LWMGLQNDRFDQFWAINRKLMEYPAEENGFRYIPFRIYQTTTERPFIQKLFPRVAA D GQLHTLGDLLKEVCPSAIDPEDGEKKNQVMIHGIEPMLETQLWLSEHLSYPDNFLHI SIIPQPTD
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro autophagy / apoptosis regulation study with intracellular protein delivery of this protein.2. As soluble/native protein, may be used as enzymatic substrate protein for ubiquitin assay.3. May be used for mapping protein–protein interaction assay.4. May be used as antigen for specific antibody development and

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cancer diagnostic development.

Storage

Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

GENE INFORMATION
Gene Name

ATG5 ATG5 autophagy related 5 homolog (S. cerevisiae) [Homo sapiens]

Official Symbol

ATG5

Synonyms

ATG5; ATG5 autophagy related 5 homolog (S. cerevisiae); APG5 (autophagy 5, S. cerevisiae) like , APG5 autophagy 5 like (S. cerevisiae) , APG5L; autophagy protein 5; APG5; ASP; hAPG5; apoptosis specific protein; apoptosis-specific protein; APG5L; APG5-LIKE;

Gene ID

9474

mRNA Refseq

NM_004849

Protein Refseq

NP_004840

MIM

604261

UniProt ID

Q9H1Y0

**Chromosome
Location**

6q21

Pathway

Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Negative regulators of RIG-I/MDA5 signaling, organism-specific

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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;

Function

protein binding;

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