ATG4C Protein, Human (His)

Cat. No.:	HY-P7619
Synonyms:	rHuATG4C, His; Cysteine Protease ATG4C; AUT-Like 3 Cysteine Endopeptidase; ATG4C; APG4C;
Species:	Human
Source:	E. coli
Accession:	Q96DT6 (M1-L458)
Gene ID:	84938
Molecular Weight:	Approximately 56 kDa

PROPERTIES

AA Sequence	MEATGTDEVD KLKTKFISAW NNMKYSWVLK TKTYFSRNSP VLLLGKCYHF KYEDEDKTLP AESGCTIEDH VIAGNVEEFR KDFISRIWLT YREEFPQIEG SALTTDCGWG CTLRTGQMLL AQGLILHFLG RAWTWPDALN IENSDSESWT SHTVKKFTAS FEASLSGERE FKTPTISLKE TIGKYSDDHE MRNEVYHRKI ISWFGDSPLA LFGLHQLIEY GKKSGKKAGD WYGPAVVAHI LRKAVEEARH PDLQGITIYV AQDCTVYNSD VIDKQSASMT SDNADDKAVI ILVPVRLGGE RTNTDYLEFV KGILSLEYCV GIIGGKPKQS YYFAGFQDDS LIYMDPHYCQ SFVDVSIKDF PLETFHCPSP KKMSFRKMDP SCTIGFYCRN VQDFKRASEE ITKMLKFSSK EKYPLFTFVN GHSRDYDFTS TTTNEEDLFS EDEKKQLKRF STEEFVLLHH HHHH
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filter solution of 50 mM Tris-HCL, 300 mM NaCl, 200 mM arginine, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Among the four mammalian Atg4 orthologues, Atg4C is the most widely distributed in human tissues. On this basis together with the fact that human Atg4C is able to complement the deficiency of Atg4 in yeast, studies were undertaken to generate a murine model defective for the Atg4C gene. Atg4C could be involved in events associated with tumor progression[1].

REFERENCES

[1]. Guillermo Mariño, et al. Tissue-specific autophagy alterations and increased tumorigenesis in mice deficient in Atg4C/autophagin-3. J Biol Chem. 2007 Jun 22;282(25):18573-18583.

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