



Recombinant Human Cysteine protease ATG4C (ATG4C)

Product Code	CSB-YP836199HU
Abbreviation	ATG4C
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q96DT6
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MEATGTDEVD KLKTKFISAW NNMKYSWVLK TKTYFSRNSP VLLLGKCYHF KYEDDKTLP AESGCTIEDH VIAGNVEEFR KDFISRIWLT YREEFPQIEG SALTTDCGWG CTLRTGQMLL AQGLILHFLG RAWTWPDALN IENSSESWT SHTVKKFTAS FEASLSGERE FKPTISLKE TIGKYSDDHE MRNEVYHRKI ISWFGDSPLA LFGLHQLIEY GKKS GKKAGD WYGPVVAHI LRKAVEEARH PDLQGITYV AQDCTVYNSD VIDKQSASMT SDNADDKAVI ILVPVRLGGE RTNTDYLEFV KGILSLEYCV GIIGGKPKQS YYFAGFQDDS LIYMDPHYCQ SFVDVSIKDF PLETFHCPSK KMSFRKMDP SCTIGFYCRN VQDFKRASEE ITKMLKFSSK EKYPLFTFVN GHSRDYDFTS TTTNEEDLFS EDEKKQLKRF STEEFVLL
Source	Yeast
Target Names	ATG4C
Protein Names	Recommended name: Cysteine protease ATG4C EC= 3.4.22.- Alternative name(s): AUT-like 3 cysteine endopeptidase Autophagin-3 Autophagy-related cysteine endopeptidase 3 Autophagy-related protein 4 homolog C
Expression Region	1-458
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also



designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding the same protein, have been characterized.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.