



# Recombinant Human Cysteine protease ATG4C (ATG4C)

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| <b>Product Code</b>      | CSB-BP836199HU  |
| <b>Abbreviation</b>      | ATG4C   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.  |
| <b>Uniprot No.</b>       | Q96DT6  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MEATGTDEVD KLKTKFISAW NNMKYSWVLK TKTYFSRNSP VLLLGKCYHF<br>KYEDEDKTLP AESGCTIEDH VIAGNVEEFR KDFISRIWLT YREEFPQIEG<br>SALTTDCGWG CTLRTGQMLL AQGLILHFLG RAWTWPDALN IENSSESWT<br>SHTVKKFTAS FEASLSGERE FKPTISLKE TIGKYSDDHE MRNEVYHRKI<br>ISWFGDSPLA LFGLHQLIEY GKKS GKKAGD WYGPVVAHI LRKAVEEARH<br>PDLQGITYV AQDCTVYNSD VIDKQSASMT SDNADDKAVI ILVPVRLGGE<br>RTNTDYLEFV KGILSLEYCV GIIGGKPKQS YYFAGFQDDS LIYMDPHYCQ<br>SFVDVSIKDF PLETFHCPSK KMSFRKMDP SCTIGFYCRN VQDFKRASEE<br>ITKMLKFSSK EKYPLFTFVN GHSRDYDFTS TTTNEEDLFS EDEKKQLKRF<br>STEEFVLL      |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | ATG4C   |
| <b>Protein Names</b>     | 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   |
| <b>Expression Region</b> | 1-458   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | full length protein   |
| <b>Target Details</b>    | 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.

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**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.

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**Shelf Life**

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