



# Recombinant Human Cysteine protease ATG4D (ATG4D)

<b>Product Code</b>	CSB-EP774797HU-B
<b>Abbreviation</b>	ATG4D
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q86TL0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MNSVSPAAAQ YRSSPEDAR RRPEARPRG PRGPDPNGLG PSGASGPALG SPGAGPSEPD EVDKFKAKFL TAWNNVKYGW VVKSRTSFSK ISSIHLGRR YRFEFEGDIQ RFQRDFVSR L WLT YRRDFPP LPGGCLTSDC GWGCMLRSGQ MMLAQGLLLH FLPRDWTWAE GMGLGPPELS GSASPSRYHG PARWMPRWA QGAPELEQER RHRQIVSWFA DHPRAPFGLH RLVELGQSSG KKAGDWYGPS LVAHILRKAV ESCSDVTRLV VYVSQDCTVY KADVARLVAR PDPTAEWKS V VILVPVRLGG ETLNPVYVPC VKELLRCELC LGIMGGKPRH SLYFIGYQDD FLLYLDPHYC QPTVDVSQAD FPLESFHCTS PRKMAFAKMD PSCTVGFYAG DRKEFETLCS ELTRVLSSSS ATERYPMFTL AEGHAQDHSL DDLCSQLAQP TLRLPRTGRL LRAKRPSSED FVFL
<b>Source</b>	E.coli
<b>Target Names</b>	ATG4D
<b>Protein Names</b>	Recommended name: Cysteine protease ATG4D EC= 3.4.22.- Alternative name(s): AUT-like 4 cysteine endopeptidase Autophagin-4 Autophagy-related cysteine endopeptidase 4 Autophagy-related protein 4 homolog D
<b>Expression Region</b>	1-474
<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.

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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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