



# Recombinant Human Ubiquitin-like modifier-activating enzyme ATG7 (ATG7)

<b>Product Code</b>	CSB-MP002294HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O95352
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AAATGDPGL SKLQFAPFSS ALDVGFWHEL TQKKLNEYRL DEAPKDIKGY YYNGDSAGLP ARLTLEFSAF DMSAPTPARC CPAIGTLYNT NTLESFKTAD KKLLEQAAN EIWESIKSGT ALENPVLLNK FLLLTFADLK KYHFYYWFCY PALCLPESLP LIQGPVGLDQ RFSLKQIEAL ECAYDNLCQT EGV TALPYFL IKYDENMVLV SLLKHYSDFQ QGQRKITIG VYDPCNLAQY PGWPLRNFLV LAAHRWSSSF QSVEVVCFRD RTMQGARDVA HSIIFEVKLP EMAFSPDCPK AVGWEKNQKG GMGPRMVNLS ECMDPKRLAE SSVDLNLKLM CWRLVPTLDL DKVVSVKCLL LGAGTLGCNV ARTLMGWGVR HITFVDNAKI SYSNPVRQPL YEFEDCLGGG KPKALAAADR LQKIFPGVNA RGFNMSIPMP GHPVNFSSVT LEQARRDVEQ LEQLIESHDV VFLLMDTRES RWLPAVIAAS KRKLVINAAL GFDTFVVMRH GLKKPKQQGA GDLCPNHPVA SADLLGSSLF ANIPGYKLG C YFCNDVVAPG DSTRDRTL DQ QCTVSRPGLA VIAGALAVEL MVSVLQHPEG GYAIASSSD R MNPP TSLG LVPHQIRGFL SRFDNVLPVS LAFDKCTACS SKVLDQYERE GFNFLAKVFN SSSHSFLEDLT GLTLLHQETQ AAEIWDMSDD ETI
<b>Source</b>	Mammalian cell
<b>Target Names</b>	ATG7
<b>Protein Names</b>	Recommended name: Ubiquitin-like modifier-activating enzyme ATG7 Alternative name(s): ATG12-activating enzyme E1 ATG7 Autophagy-related protein 7 Short name= APG7-like Short name= hAGP7 Ubiquitin-activating enzyme E1-like pro
<b>Expression Region</b>	2-703
<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 of Mature Protein
<b>Target Details</b>	This gene was identified based on homology to Pichia pastoris GSA7 and Saccharomyces cerevisiae APG7. In the yeast, the protein appears to be required for fusion of peroxisomal and vacuolar membranes. The protein shows homology to the ATP-binding and catalytic sites of the E1 ubiquitin activating enzymes.



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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**

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.