



# Recombinant Mouse Ubiquitin-like modifier-activating enzyme ATG7 (Atg7)

<b>Product Code</b>	CSB-EP884031MO-B
<b>Abbreviation</b>	Atg7
<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>	Q9D906
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MGDPGLAKLQ FAPFNSALDV GFWHELTQKK LNEYRLDEAP KDIKGYYYNG DSAGLPTRLT LEFSAFDMSA STPAHCCPAM GTLHNTNTLE AFKTADKLL LEQSANEIWE AIKSGAALEN PMLLNKFLLL TFADLKKYHF YYWFCCPALC LPESIPLIRG PVSLDQRLSP KQIQALEHAY DDL CRAEGVT ALPYFLFKYD DDTVLVSLK HYSDFEQGQR TKITVGVYDP CNLAQYPGWP LRNFLVLA AH RWSGSFQSVE VLCFRDRMQ GARDVTHSII FEVKLPEMAF SPDCPKAVGW EKNQKGGMGP RMVNLSGCMD PKRLAESSVD LNLKLMCWRL VPTLDLDKVV SVKCLLLGAG TLGCNVARTL MGWGV RHVTF VDNAKISYSN PVRQPLYEFE DCLGGGKPKA LAAERLQKI FPGVNARGFN MSIPMPGHPV NFSDVTMEQA RRDVEQLEQL IDNHVIFLL MDTRESRWLP TVIAASKRKL VINAALGFD T FVVMRHGLKK PKQQGAGDLC PSHLVAPADL GSSLFANIPG YKLGCYFCND VVAPGDSTRD RTLDQQCTVS RPGLAVIAGA LVELMVSVL QHPEGGYAIA SSSDDRMNEP PTSLSGLVPHQ IRGFLSRFDN VLPVSLAFDK CTACSPKVL D QYEREGFTFL AKVFNSSHSF LEDLTGLTLL HQETQAAEIW DMSDEETV
<b>Source</b>	E.coli
<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= mAGP7 Ubiquitin-activating enzyme E1-like pro
<b>Expression Region</b>	1-698
<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>	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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