



Recombinant *Xenopus laevis* Cysteine protease ATG4D (atg4d)

Product Code	CSB-EP715027XBE-B
Abbreviation	atg4d
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.	Q68FJ9
Product Type	Recombinant Protein
Immunogen Species	<i>Xenopus laevis</i> (African clawed frog)
Purity	>85% (SDS-PAGE)
Sequence	MNSVSPLATQ YGSPKGSQQM ENRSTQSGGH EQRKMGHQDA TLDGEADEVD KLKSKLLSAW NNVKYGWSVK MKTTFSRSAP VYLLGERYFF RLDDEIERFQ KDFVSRVWLT YRRDFPALEG TALTTDCGWG CMIRSGQMLL AQGLLLHLLS REWTWSEALY RHFVEMEPPIR SSSPPSMPLS SLATGHSAGD YQPHTQCSGA PHGDQVHRNI MRWFS DHPGS PFGLHQLVTL GSIFGKKAGD WYGPSIVAH I KKA IETSSE VPELSVYVSQ DCTVYKADIE QLFAGDVPHA ETSRGAGKAV IILVPVRLGG ETFNPVYKHC LKEFLRMPSC LGIIGGKPKH SLYFIGYQDN YLLYLDPHYC QPYIDTSKND FPLESFHCNS PRKISITRMD PSCTFAFYAK NSEDFGKLCD HLMKVLHSPR AEEKYPIFSI SEGQAQEYAE GPQSSSHPPV CRKKGPLVKR PSSDEFEFL
Source	E.coli
Target Names	atg4d
Protein Names	Recommended name: Cysteine protease ATG4D EC= 3.4.22.- Alternative name(s): Autophagin-4 Autophagy-related protein 4 homolog D
Expression Region	1-469
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
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.