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## Datasheet for ABIN1634575 ATG4D Protein (AA 1-469) (His tag)

### Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 1 mg   |
| Target:                       | ATG4D  |
| Protein Characteristics:      | AA 1-469                                     |
| Origin:                       | Xenopus laevis                               |
| Source:                       | Yeast  |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This ATG4D protein is labelled with His tag. |
| Application:                  | ELISA  |

### Product Details

|                  |   |
|------------------|---|
| Sequence:        | <p>MNSVSPLATQ YGSPKGSQQM ENRSTQSGGH EQRKMGHQDA TLDGEADEVD KLKSKLLSAW</p> <p>NNVKYGWSVK MKTTFSRSAP VYLLGERYFF RLDDEIERFQ KDFVSRVWLT YRRDFPALEG</p> <p>TALTDCGWG CMIRSGQMLL AQGLLLHLLS REWTWSEALY RHFVEMEPPIR SSSPPSMPLS</p> <p>SLATGHSAGD YQPHTQCSGA PHGDQVHRNI MRWFSDDHPS PFGLHQLVTL GSIFGKKAGD</p> <p>WYGPSIVAH I KKAETSSE VPESVYVSQ DCTVYKADIE QLFAGDVPHA ETSRGAGKAV</p> <p>IILVPVRLGG ETFNPVYKHC LKEFLRMPSC LGIIGGKPKH SLYFIGYQDN YLLYLDPHYC</p> <p>QPYIDTSKND FPLESFHCNS PRKISITRMD PSCTFAFYAK NSEDFGKLCD HLMKVLHSPR</p> <p>AEEKYPIFSI SEGQAQEYAE GPQSSSHPPV CRKKGPLVKR PSSDEFEFL</p> |
| Specificity:     | Xenopus laevis (African clawed frog)  |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.  |

## Product Details

Purity: > 90 %

## Target Details

Target: ATG4D

Alternative Name: Cysteine protease ATG4D (atg4d) ([ATG4D Products](#))

Background: Recommended name: Cysteine protease ATG4D.  
EC= 3.4.22.-.  
Alternative name(s): Autophagin-4 Autophagy-related protein 4 homolog D

UniProt: [Q68FJ9](#)

Pathways: [Autophagy](#)

## Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

## Handling

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.