Datasheet for ABIN1654721

# ATG4A Protein (AA 1-473) (His tag)

Go to Product page

## Overview

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| Quantity: | 1 mg |
| Target: | ATG4A |
| Protein Characteristics: | AA 1-473 |
| Origin: | Oryza sativa |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ATG4A protein is labelled with His tag. |
| Application: | ELISA |

## Product Details

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| Sequence: | MTSLPGRGVS PSSSDPLCEG NAAPSSSSSG QDLKQSKNSI LSCVFSSPFS IFEAHQDSSA HRPLKPHSGS YAWSRFLRRI ACTGSMWRFL GASKALTSSD VWFLGKCYKL SSEELSNSSD CESGNAAFLE DFSSRIWITY RKGFDAISDS KYTSDVNWGC MVRSSQMLVA QALIFHHLGR SWRKPSQKPY SPEYIGILHM FGDSEACAFS IHNLLQAGKS YGLAAGSWVG PYAMCRAWQT LVRTNREHHE AVDGNGNFPM ALYVVSGDED GERGGAPVVC IDVAAQLCCD FNKGQSTWSP ILLLVPLVLG LDKLNPRYIP LLKETFTFPQ SLGILGGKPG TSTYVAGVQD DRVLYLDPHE VQLAVDIAAD NLEADTSSYH CSTVRDLALD LIDPSLAIGF YCRDKDDFDD FCSRASELVD KANGAPLFTV MQSVQPSKQM YNEESSSGDG MDIINVEGLD GSGETGEEEW QIL |
| Specificity: | Oryza sativa subsp. indica (Rice) |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time. |

## Product Details

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| Purity: | > 90 % |

## Target Details

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| Target: | ATG4A |
| Alternative Name: | Cysteine protease ATG4A (ATG4A) (ATG4A Products) |
| Background: | Recommended name: Cysteine protease ATG4A.<br>EC= 3.4.22.-.<br>Alternative name(s): Autophagy-related protein 4 homolog A |
| UniProt: | A2XHJ5 |
| Pathways: | Autophagy |

## Application Details

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| 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 modificated 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

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| 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. |