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Datasheet for ABIN1640000 ATG4A Protein (AA 1-467) (His tag)

Overview

Quantity:	1 mg
Target:	ATG4A
Protein Characteristics:	AA 1-467
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATG4A protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MKALCDRFVP QQCSSSSKSD THDKSPLVSD SGPSDNKSKF TLWSNVFTSS SSVSQPYRES</p> <p>STSGHKQVCT TRNGWTAFAVK RVSMASGAIR RFQERVLGPN RTGLPSTTSD VWLLGVICYKI</p> <p>SADENSGETD TGTVLAALQL DFSSKILMTY RKGFEPRDRT TYTSDVNWGC MIRSSQMLFA</p> <p>QALLFHRLGR AWTKKSELPE QEYLETLEPF GDSEPSAFSI HNLIAGASY GLAAGSWVGP</p> <p>YAICRAWESL ACKKRKQTDS KNQTLPMVAHV IVSGSEDGER GGAPILCIED ATKSCLEFSK</p> <p>GQSEWTPIL LVPLVLGLDS VNPRYIPSLV ATFTFPQSVG ILGGKPGAST YIVGVQEDKG</p> <p>FYLDPEHVQQ VVTVNKETPD VDTSSYHCNV LRYVPLESLD PSLALGFYCR DKDDFDDFCL</p> <p>RALKLAEESN GAPLFTVTQT HTAINQSNYG FADDDSEDER EDDWQML</p>
Specificity:	Arabidopsis thaliana (Mouse-ear cress)
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: ATG4A

Alternative Name: Cysteine protease ATG4a (ATG4A) ([ATG4A Products](#))

Background: Recommended name: Cysteine protease ATG4a.
EC= 3.4.22.-.
Alternative name(s): Autophagy-related protein 4 homolog a.
Short name= AtAPG4a.
Short name= Protein autophagy 4a

UniProt: [Q8S929](#)

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 modified 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

Handling

Storage: -20 °C

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