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Datasheet for ABIN1651213 ATG4B Protein (AA 1-477) (His tag)

Overview

Quantity:	1 mg
Target:	ATG4B
Protein Characteristics:	AA 1-477
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATG4B protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MKAICDRFVP SKCSSSTSE KRDISSPTSL VSDSASSDNK SNLTLCSDVV ASSSPVSQLC</p> <p>REASTSGHNP VCTTHSSWTV ILKTASMASG AIRRFQDRV L GPSRTGISSS TSEIWLLGVC</p> <p>YKISEGESSE EADAGRVLAA FRQDFSSLIL MTYRRGFEP I GDTTYTSDVN WGCMLRSGQM</p> <p>LFAQALLFQR LGRSWRK KDS EPADEKYLEI LELFGDTEAS AFSIHN LILA GESYGLAAGS</p> <p>WVGPYAVCRS WESLARKNKE ETDDKHKSFS MAVHIVSGSE DGERGGAPIL CIEDVTKTCL</p> <p>EFSEGETEWP PILLLVPLVL GLDRVNP RYI PSLIATFTFP QSLGILGGKP GASTYIVGVQ</p> <p>EDKGFYLDPH DVQQVVT VKK ENQDVTSSY HCNTRLRYVPL ESLDPSLALG FYCQHKDDFD</p> <p>DFCIRATKLA GDSNGAPLFT VTQSHRRNDC GIAETSSSTE TSTEISGEEH EDDWQLL</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: ATG4B

Alternative Name: Cysteine protease ATG4b (ATG4B) ([ATG4B Products](#))

Background: Recommended name: Cysteine protease ATG4b.
EC= 3.4.22.-.
Alternative name(s): Autophagy-related protein 4 homolog b.
Short name= AtAPG4b.
Short name= Protein autophagy 4b

UniProt: [Q9M1Y0](#)

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.