Datasheet for ABIN1510242

ATG5 Protein (AA 1-261) (His tag)

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Overview

Quantity:	1 mg
Target:	ATG5
Protein Characteristics:	AA 1-261
Origin:	Schizosaccharomyces pombe
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATG5 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MNVDNNKGNI PELLWNGTIS VRIDYEGNSL AYLANVPRQS YFAQILPNVQ RLLAPSIPLS ECWLDYNGVP LKWHWPVGLL FDLLTVFDPD TPRAPVLWRI QLRSGLFPTT KILQMETMDT FRTYFFNCLK ESDYVRNGSS SGIIALSKAE TDTYWNAILN HDYYDFRPIA IKILFSKSKF IPLKIYLGAN APIIQTSAPL GSSLGEFLNK RLPDLFPSCD KFLIVKPVIH GITIFLQSVL DELNRDFCYI DGFLHIVLMK V
Specificity:	Schizosaccharomyces pombe (strain 972 / ATCC 24843) (Fission yeast)
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.
Purity:	> 90 %

Target Details

Target:	ATG5
Alternative Name:	Autophagy protein 5 (atg5) (ATG5 Products)
Background:	Recommended name: Autophagy protein 5. Alternative name(s): Meiotically up-regulated gene 77 protein
UniProt:	O74971
Pathways:	Activation of Innate immune Response, Production of Molecular Mediator of Immune Response , 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 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

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