Datasheet for ABIN7585041

MAPK12 Protein (AA 1-372) (His tag)

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Overview

Quantity:	100 µg
Target:	MAPK12
Protein Characteristics:	AA 1-372
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAPK12 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MSGESSSGST EHCIKVVPTH GGRYVQYNVY GQLFEVSRKY VPPIRPIGRG ACGIVCAAVN SVTGEKVAIK KIGNAFDNII DAKRTLREIK LLRHMDHENV ITIKDIVRPP QRDIFNDVYI VYELMDTDLQ RILRSNQTLT SDQCRFLVYQ LLRGLKYVHS ANILHRDLRP SNVLLNSKNE LKIGDFGLAR TTSDTDFMTE YVVTRWYRAP ELLLNCSEYT AAIDIWSVGC ILGEIMTGQP LFPGKDYVHQ LRLITELVGS PDNSSLGFLR SDNARRYVRQ LPRYPKQQFA ARFPKMPTTA IDLLERMLVF DPNRRISVDE ALGHAYLSPH HDVAKEPVCS TPFSFDFEHP SCTEEHIKEL IYKESVKFNP DH
Specificity:	Arabidopsis thaliana (Mouse-ear cress)
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:	MAPK12
Alternative Name:	Mitogen-activated protein kinase 12 (MPK12) (MAPK12 Products)
Background:	Recommended name: Mitogen-activated protein kinase 12. Short name= AtMPK12. Short name= MAP kinase 12. EC= 2.7.11.24
UniProt:	Q8GYQ5
Pathways:	MAPK Signaling, Neurotrophin Signaling Pathway, Regulation of Muscle Cell Differentiation, Hepatitis C, BCR Signaling, S100 Proteins

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.