Datasheet for ABIN7585046

MAPK14 Protein (AA 1-361) (His tag)

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Overview

Quantity:	100 µg
Target:	MAPK14
Protein Characteristics:	AA 1-361
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAPK14 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MAMLVDPPNG IRQEGKHYYT MWQTLFEIDT KYVPIKPIGR GAYGVVCSSI NSETNERVAI KKIHNVFENR IDALRTLREL KLLRHVRHEN VISLKDVMLP THRYSFRDVY LVYELMDSDL NQIIKSSQSL SDDHCKYFLF QLLRGLKYLH SANILHRDLK PGNLLVNANC DLKICDFGLA RTYEQFMTEY VVTRWYRAPE LLLCCDNYGT SIDVWSVGCI FAEILGRKPI FPGTECLNQL KLIINVVGSQ QDWDLQFIDN QKARRFIKSL PFSKGTHFSH IYPHANPLAI DLLQRMLVFD PTKRISVSDA LLHPYMEGLL EPECNPSENV PVSSLEIDEN MEGDMIREMM WEEMLHYLPR A
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 %

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Target Details

Target:	MAPK14
Alternative Name:	Mitogen-activated protein kinase 14 (MPK14) (MAPK14 Products)
Background:	Recommended name: Mitogen-activated protein kinase 14. Short name= AtMPK14. Short name= MAP kinase 14. EC= 2.7.11.24
UniProt:	O23236
Pathways:	MAPK Signaling, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Regulation of Muscle Cell Differentiation, Regulation of Cell Size, Hepatitis C, Toll-Like Receptors Cascades, Autophagy, Thromboxane A2 Receptor Signaling, 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

Handling

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

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