Datasheet for ABIN7588918

ERK2 Protein (AA 1-376) (His tag)

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Overview

Quantity:	100 µg
Target:	ERK2 (MAPK1)
Protein Characteristics:	AA 1-376
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERK2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MATPVDPPNG IRNQGKHYFS MWQTLFEIDT KYVPIKPIGR GAYGVVCSSV NRESNERVAI KKIHNVFENR IDALRTLREL KLLRHLRHEN VVALKDVMMA NHKRSFKDVY LVYELMDTDL HQIIKSSQVL SNDHCQYFLF QLLRGLKYIH SANILHRDLK PGNLLVNANC DLKICDFGLA RTSNTKGQFM TEYVVTRWYR APELLLCCDN YGTSIDVWSV GCIFAELLGR KPVFPGTECL NQIKLIINIL GSQREEDLEF IDNPKAKRYI ESLPYSPGIS FSRLYPGANV LAIDLLQKML VLDPSKRISV TEALQHPYMA PLYDPSANPP AQVPIDLDVD EDEDLGAEMI RELMWKEMIH YHPEAATINN NEVSEF
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:	ERK2 (MAPK1)
Alternative Name:	Mitogen-activated protein kinase 2 (MPK2) (MAPK1 Products)
Background:	Recommended name: Mitogen-activated protein kinase 2. Short name= AtMPK2. Short name= MAP kinase 2. EC= 2.7.11.24
UniProt:	Q39022
Pathways:	MAPK Signaling, RTK Signaling, Apoptosis, Interferon-gamma Pathway, Fc-epsilon Receptor Signaling Pathway, Response to Growth Hormone Stimulus, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Hepatitis C, Protein targeting to Nucleus, Toll-Like Receptors Cascades, Monocarboxylic Acid Catabolic Process, Autophagy, G-protein mediated Events, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth Factor Receptor, VEGFR1 Specific Signals, 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

Handling

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