

Datasheet for ABIN7585026

MEK1 Protein (AA 1-354) (His tag)



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Overview

Quantity:	100 µg
Target:	MEK1 (MAP2K1)
Protein Characteristics:	AA 1-354
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This MEK1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MNRGSLCPNP ICLPPLEQSI SKFLTQSGTF KDGLRVNKG GIQTVSLSEP GAPPIEPLD</p> <p>NQLSLADLEV IKVIGKGSSG NVQLVKHKLT QQFFALKVIQ LNTEESTCRA ISQELRINLS</p> <p>SQCPYLVSCY QSFYHNGLVS IILEFMDGGS LADLLKKVGK VPENMLSAIC KRVLRGLCYI</p> <p>HHERRIIHRD LKPSNLLINH RGEVKITDFG VSKILTSTSS LANSFVGTYYP YMSPERISGS</p> <p>LYSNKSDIWS LGLVLLECAT GKFPYTPPEH KKGWSSVYEL VDAIVENPPP CAPSNLFSPE</p> <p>FCSFISQCVQ KDPRDRKSAK ELLEHKFVKM FEDSDTNLSA YFTDAGSLIP PLAN</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.
Purity:	> 90 %

Target Details

Target:	MEK1 (MAP2K1)
Alternative Name:	Mitogen-activated protein kinase kinase 1 (MKK1) (MAP2K1 Products)
Background:	Recommended name: Mitogen-activated protein kinase kinase 1. Short name= MAP kinase kinase 1. EC= 2.7.12.2. Alternative name(s): AtMEK1 NMAPKK
UniProt:	Q94A06
Pathways:	MAPK Signaling , RTK Signaling , Interferon-gamma Pathway , Fc-epsilon Receptor Signaling Pathway , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Toll-Like Receptors Cascades , Autophagy , Signaling of Hepatocyte Growth Factor Receptor , BCR Signaling

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 modiflicated 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.