Datasheet for ABIN1630832

ERK1 Protein (AA 1-422) (His tag)

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Overview

Quantity:	1 mg
Target:	ERK1 (MAPK3)
Protein Characteristics:	AA 1-422
Origin:	Candida albicans
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERK1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MNIDQHHQLQ QQHQQQMLQQ QAQAQAQAQA QAQQQQQQQQ QAAAAAAAAN AAATTSSSSP RQVSFNVSDH YQILEIVGEG AYGIVCSAIH KPSQQKVAIK KIEPFERSML CLRTLRELKL LKHFNHENII SILAIQRPIN YESFNEIYLI QELMETDLHR VIRTQNLSDD HIQYFIYQTL RALKAMHSAN VLHRDLKPSN LLLNSNCDLK ICDFGLARSI ASQEDNYGFM TEYVATRWYR APEIMLTFQE YTTAIDVWSV GCILAEMLSG RPLFPGRDYH NQLWLIMEVL GTPNMEDYYN IKSKRAREYI RSLPFCKKIP FSELFANTNN NTSTSTSNTG GRTNINPLAL DLLEKLLIFN PAKRITVEDA LKHPYLQLYH DPNDEPISDK IPEDFFDFDK MKDQLTIEDL KKLLYEEIMK PL
Specificity:	Candida albicans (strain SC5314 / ATCC MYA-2876) (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:	ERK1 (MAPK3)
Alternative Name:	Extracellular signal-regulated kinase 1 (CEK1) (MAPK3 Products)
Background:	Recommended name: Extracellular signal-regulated kinase 1. Short name= ERK1. EC= 2.7.11.24. Alternative name(s): MAP kinase 1. Short name= MAPK 1
UniProt:	Q5A1D3
Pathways:	MAPK Signaling, RTK Signaling, Interferon-gamma Pathway, Fc-epsilon Receptor Signaling Pathway, Neurotrophin 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, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth Factor Receptor, VEGFR1 Specific Signals, 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

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.