Datasheet for ABIN7585419

PAK1 Protein (AA 2-544) (His tag)

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Overview

Quantity:	100 µg
Target:	PAK1
Protein Characteristics:	AA 2-544
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAK1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	SNNGLDVQD KPPAPPMRNT STMIGAGSKD PGTLNHGSKP LPPNPEEKKK KDRFYRSILA GDKTNKKKEK ERPEISLPSD FEHTIHVGFD AVTGEFTGMP EQWARLLQTS NITKSEQKKN PQAVLDVLEF YNSKKTSNSQ KYMSFTDKSA EDYNSSNTLN VKTVSETPAV PPVSEDEDDD DDATPPPVIA PRPEHTKSVY TRSVIEPLPV TPTRDVATSP ISPTENNTTP PDALTRNTEK QKKKPKMSDE EILEKLRSIV SVGDPKKKYT RFEKIGQGAS GTVYTAMDVA TGQEVAIKQM NLQQQPKKEL IINEILVMRE NKNPNIVNYL DSYLVGDELW VVMEYLAGGS LTDVVTETCM DEGQIAAVCR ECLQALEFLH SNQVIHRDIK SDNILLGMDG SVKLTDFGFC AQITPEQSKR STMVGTPYWM APEVVTRKAY GPKVDIWSLG IMAIEMIEGE PPYLNENPLR ALYLIATNGT PELQNPEKLS AIFRDFLNRC LEMDVEKRGS AKELLQHQFL KIAKPLSSLT PLIAAAKEAT KNNH
Specificity:	Rattus norvegicus (Rat)
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.

Product Details

Purity:	> 90 %

Target Details

Target:	PAK1
Alternative Name:	Serine/threonine-protein kinase PAK 1 (Pak1) (PAK1 Products)
Background:	Recommended name: Serine/threonine-protein kinase PAK 1. EC= 2.7.11.1. Alternative name(s): Alpha-PAK Protein kinase MUK2 p21-activated kinase 1. Short name= PAK-1 p68-PAK
UniProt:	P35465
Pathways:	MAPK Signaling, RTK Signaling, TCR Signaling, Fc-epsilon Receptor Signaling Pathway, Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Skeletal Muscle Fiber Development, CXCR4-mediated Signaling Events, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth Factor Receptor, Embryonic Body Morphogenesis

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

Handling

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.