



# Recombinant Mouse Serine/threonine-protein kinase PAK 1 (Pak1)

<b>Product Code</b>	CSB-EP017404MO-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O88643
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SNNGVDIQD KPPAPPMRNT STMIGAGSKD TGTLNHGSKP LPPNPEEKKK KDRFYRSILP GDKTNKKREK ERPEISLPSD FEHTIHVGFD AVTGEFTGMP EQWARLLQTS NITKSEQKKN PQAVLDVLEF YNSKKTNSK KYMSFTDKSA EDYNSSNTLN VKTVSETPAV PPVSEDEDD DDDATPPPVI APRPEHTKSV YTRSVIEPLP VTPTRDVATS PISPENTTT PPDALTRNTE KQKKKPKMSD EEILEKLRSI VSVGDPKKKY TPFKIGQGA SGTVYTAMDV ATGQEVAIKQ MNLQQPKKE LIINEILVMR ENKNPNIVNY LDSYLVGDEL WVMEYLAGG SLTDVVTETC MDEGQIAAVC RECLQALEFL HSNQVIHRDI KSDNILLGMD GSVKLTDFGF CAQITPEQSK RSTMVGTYPW MAPEVVTRKA YGPKVDIWSL GIMAIEMIEG EPPYLNENPL RALYLIATNG TPELQNPEKL SAIFRDFLQC CLEMDVEKRG SAKELLQHQF LKIAKPLSSL TPLMHAAKEA TKNNH
<b>Source</b>	E.coli
<b>Target Names</b>	Pak1
<b>Protein Names</b>	Recommended name: Serine/threonine-protein kinase PAK 1 EC= 2.7.11.1 Alternative name(s): Alpha-PAK CDC42/RAC effector kinase PAK-A p21-activated kinase 1 Short name= PAK-1 p65-PAK
<b>Expression Region</b>	2-545
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	PAK proteins are critical effectors that link RhoGTPases to cytoskeleton reorganization and nuclear signaling. PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. These proteins serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK1 regulates cell motility and morphology. Alternativelt spliced transcript variants encoding different isoforms have been found for this gene.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.