



# Recombinant Mouse Serine/threonine-protein kinase PAK 7 (Pak7)

<b>Product Code</b>	CSB-YP805374MO
<b>Abbreviation</b>	Pak7
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q8C015
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MFGKKKKKIE ISGPSNFEHR VHTGFDPQEQ KFTGLPQQWH SLLADTANRP KPMVDPSCIT PIQLAPMKTI VRGNKCKET SINGLLEDFD NISVTRSNSL RKESPPTPDQ GAASRIQGH S EENGFITFSQ YSSESDDTAD YTTEKYRDRS LYGDDL DLYY KSSHA AKQNG HAMKMKHGDA YPEMKS LKT DLAGFPVDYH THLDSL RKSS EYGDLRWDYQ RASSSSPLDY SFQLTPSRTA GTSRCSKESL AYSESDWGPS LDDYDRRPKS SYLHQTSPQP AMRQRSKSGS GLQEPMPFG ASAFKTHPQG HS YNSYTYPR LSEPTMCIPK VD YDRAQMV F SPPLSGSDTY PRGPTKLPQS QSKAGYSSGS HQYPSGYHKA SLYHHPSLQT SSQYISTASY LSSLSISSST YPPPSWGSSS DQQPSRVSHE QFRAALQLVV SPGDPREYLD NFIKIGEGST GIVCIATEKH TGKQVAVK KM DLRKQQRREL LFNEVVIMRD YHHDNVDMY NSYLVGDELW VVMEFLEGG A LTDIVTHTRM NEEQIATVCL SVLKALSYLH NQGV IHRDIK SDSILLTSDG RIKLSDFGFC AQVSKEV PKR KSLVGTPYWM APEVISRLPY GTEVDIWSLG IMVIEMIDGE PPYFNEPPLQ AMRRIRD SLP PRVKDLHKVS SMLRGFLDLM LVREPSQRAT AQELLGHPFL KLAGPPSCIV PLMRQYRHH
<b>Source</b>	Yeast
<b>Target Names</b>	Pak5
<b>Protein Names</b>	Recommended name: Serine/threonine-protein kinase PAK 7 EC= 2.7.11.1 Alternative name(s): p21-activated kinase 5 Short name= PAK-5 p21-activated kinase 7 Short name= PAK-7
<b>Expression Region</b>	1-719
<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 protein
<b>Target Details</b>	This protein is a member of the PAK family of Ser/Thr protein kinases. PAK family members are known to be effectors of Rac/Cdc42 GTPases, which have



been implicated in the regulation of cytoskeletal dynamics, proliferation, and cell survival signaling. This kinase contains a CDC42/Rac1 interactive binding (CRIB) motif, and has been shown to bind CDC42 in the presence of GTP. This kinase is predominantly expressed in brain. It is capable of promoting neurite outgrowth, and thus may play a role in neurite development. This kinase is associated with microtubule networks and induces microtubule stabilization. The subcellular localization of this kinase is tightly regulated during cell cycle progression. Alternatively spliced transcript variants encoding the same protein have been described.

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**Reconstitution**

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**

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