



# Recombinant Rat Serine/threonine-protein kinase PAK 2 (Pak2)

<b>Product Code</b>	CSB-EP727060RA
<b>Abbreviation</b>	Pak2
<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>	Q64303
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SDNGELEDK PPAPPVRMSS TIFSTGGKDP LSAHSLKPL PSVPEEKKPR NKIISIFSST EKGSKKKEKE RPEISPPSDF EHTIHVGFDA VTGEFTGMPE QWARLLQTSN ITKLEQKKNP QAVLDVLKFY DSNTVKQKYL SFTPPEKDG PSGTPALNTK GSETSAVVTE EDDDDEDAAP PVIAPRPDHT KSIYTRSVI PIPAPVGDSN VD SGAKSSDK QKKKAKMTDE EIMEKLRTIV SIGDPKKKYT RYEKIGQGAS GTVFTATDVA LGQEVAIKQI NLQKQPKKEL IINEILVMKE LKNPNIVNFL DSYLVGDEL VVMEYLAGGS LTDVVTETCM DEAQIAAVCR ECLQALEFLH ANQVIHRDIK SDNVLGMEG SVKLDFGFC AQITPEQSKR STMVGTPYWM APEVVTRKAY GPKVDIWSLG IMAIEMVEGE PPYLNENPLR ALYLIATNGT PELQNPEKLS PIFRDFLNRC LEMDVEKRG S AKELLQHPFL KLAKPLSSLT PLILAAKEAM KSNR
<b>Source</b>	E.coli
<b>Target Names</b>	Pak2
<b>Protein Names</b>	Recommended name: Serine/threonine-protein kinase PAK 2 EC= 2.7.11.1 Alternative name(s): Gamma-PAK p21-activated kinase 2 Short name= PAK-2 Cleaved into the following 2 chains: 1. PAK-2p27 2. PAK-2p34
<b>Expression Region</b>	2-524
<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>	The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. The PAK proteins are a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. This protein is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic



events in the dying cell.

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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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