



# Recombinant Human Serine/threonine-protein kinase PAK 4 (PAK4)

<b>Product Code</b>	CSB-YP017408HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O96013
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MFGKRKRVE ISAPSNFEHR VHTGFDQHEQ KFTGLPRQWQ SLIEESARRP KPLVDPACIT SIQPGAPKTI VRGSKGAKDG ALTLLLDEFE NMSVTRSNSL RRDSPPPPAR ARQENGMPEE PATTARGGPG KAGSRGRFAG HSEAGGGSGD RRRAGPEKRP KSSREGSGGP QESSRDKRPL SGPDVGTQPQ AGLASGAKLA AGRPFNTYPR ADTDHPSRGA QGEPHDVAPN GPSAGGLAIP QSSSSSSRPP TRARGAPSPG VLGPHASEPQ LAPPACTPAA PAVPGPPGPR SPQREPQRVS HEQFRAALQL VVDPGDPRSY LDNFIKIGEG STGIVCIATV RSSGKLVAVK KMDLRKQQR ELLFNEVIM RDYQHENVVE MYNSYLVGDE LWVVMFLEG GALTDIVTHT RMNEEQIAAV CLAVLQALSV LHAQGVHRD IKSDSILLTH DGRVKLSDFG FCAQVSKEVP RRKSLVGTPY WMAPELISRL PYGPEVDIWS LGIMVIEMVD GEPPYFNEPP LKAMKMIRDN LPPRLKNLHK VSPSLKGF LD RLLVRDPAQR ATAAELLKHP FLAKAGPPAS IVPLMRQNRT R
<b>Source</b>	Yeast
<b>Target Names</b>	PAK4
<b>Protein Names</b>	Recommended name: Serine/threonine-protein kinase PAK 4 EC= 2.7.11.1 Alternative name(s): p21-activated kinase 4 Short name= PAK-4
<b>Expression Region</b>	1-591
<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>	PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. They serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK4 interacts specifically with the GTP-bound form of Cdc42Hs and weakly activates the JNK family of MAP kinases. PAK4 is a mediator of filopodia formation and may play a role in the reorganization of the actin cytoskeleton. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.



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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**

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.