



## PAK7 blocking peptide (CDBP5882)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">PAK7 p21 protein (Cdc42/Rac)-activated kinase 7 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PAK7

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<b>Synonyms</b>	PAK7; p21 protein (Cdc42/Rac)-activated kinase 7; PAK5; serine/threonine-protein kinase PAK 7; PAK-5; PAK-7; protein kinase PAK5; p21-activated kinase 5; p21-activated kinase 7; p21CDKN1A-activated kinase 7; p21(CDKN1A)-activated kinase 7; serine/threonine-protein kinase PAK7
<b>Entrez Gene ID</b>	<a href="#">57144</a>
<b>mRNA Refseq</b>	<a href="#">NM_020341</a>
<b>Protein Refseq</b>	<a href="#">NP_065074</a>
<b>UniProt ID</b>	Q9P286
<b>Pathway</b>	Activation of Rac; Axon guidance; Developmental Biology; ErbB signaling pathway; Focal Adhesion; Focal adhesion; Ras signaling pathway; Regulation of Actin Cytoskeleton
<b>Function</b>	ATP binding; protein serine/threonine kinase activity

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