

PAK3

Recombinant Human p21 Protein (Cdc42/Rac)-activated Kinase 3 Active GST-His

Catalog No.	CSI17139	Quantity:	50 µg
Alternate Names:	CDKN1A, MRX30, MRX47, OPHN3, PAK3beta, bPAK, hPAK3, beta-PAK, oligophrenin-3, p21 (CDKN1A)-activated kinase 3, p21-activated kinase 3, p21-activated kinase-3, serine/threonine-protein kinase PAK 3		
Description:	Human PAK3, full length, amino acids M ₁ -R ₅₄₄ (as in GenBank entry NM_002578)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site, expressed in Sf9 insect cells *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.360 µg/µl		
Gene ID:	5063		
Protein Accession No:	NM_002578		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 90,588 Da		
Formulation:	50 mM HEPES-NaOH, pH 7.5 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione, 20% glycerol		
Purification:	GST-Affinity Chromatography		
Product Identity:	PAK3 was confirmed as PAK3 by mass spectroscopy LC-ESI-MS/MS		
Specific Activity:	79 pmol/µg×min		

Method for determination of Km value and specific activity:

• Assay conditions:

60 mM HEPES-NaOH, pH 7.5

3 mM MgCl₂

3 mM MnCl₂

3 µM Na-orthovanadate

1.2 mM DTT

2.5 µg / 50 µl PEG_{20,000}

ATP (variable)

Substrate: tetra(LRRWSLG), 2 µg / 50 µl

PAK3: 200 ng / 50 µl

• Filter binding assay

MSPH membrane (Millipore)

Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**



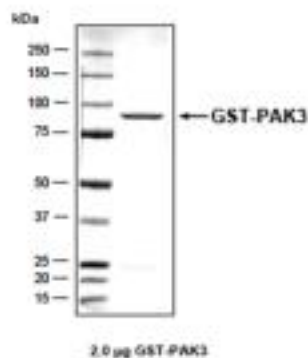
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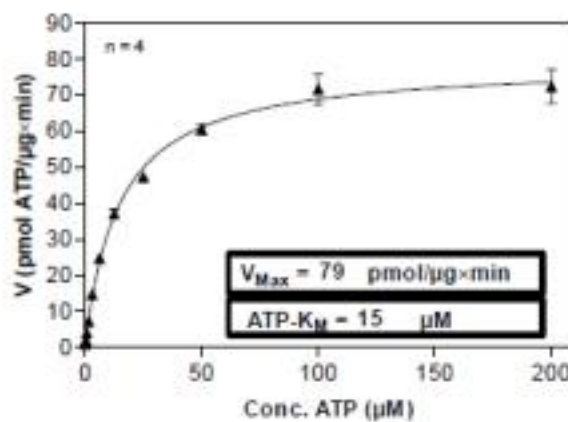
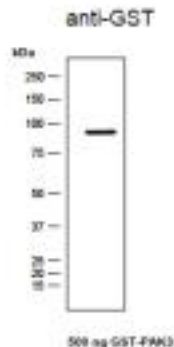
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Determination of K_m value for ATP:

Coomassie stain:



Western blot analysis:



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