

PAK4, 1-591aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP03287

3th Edition

Synonyms:p21-activated kinase 4 isoform 1, p21 protein (Cdc42/Rac)-activated kinase 4.

Description:PAK4 is a member of the group B family of p21-activated kinases (PAK). It's identified as an effector protein for cell division cycle 42(Cdc42) and protein that play an important role in regulating cytoskeletal organization and cell morphology. Its expression is elevated in many cancer cell lines, and suggested that it plays an important role in tumorigenesis.

Form:Liquid. 25mM HEPES pH7.5, 150mM NaCl, 5mM MgCl₂, 30% glycerol.

Molecular Weight:68.3kDa (628aa)

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHEMFGKRKKRVEISAPSNFEHRVHTGFDQHEQKFTGL
PRQWQSLIEESARRPKPLVDPACITSIQPGAPKTIVRGSKGAKDGALLLLDEFENMSVTRSNLRRDSPPPPARAR
QENGMPEEPATTARGGPGKAGSRGRFAGHSEAGGGSGDRRRAGPEKRPKSSREGSGGPQESSRDKRPLSGPD
VGTPQPAGLASGAKLAAGRPFNTYPRADTDHPSRGAQGEPHDVAPNGPSAGGLAIPQSSSSSRPPTRARGAPS
PGVLGPHASEPQLAPPACTPAAPAVPGPPGPRSPQREPQRVSHEQFRAALQLVVDPGDPRS YLDNFIKIGEGSTGI
VCIATVRSSGKLVAVKKMDLRKQQRRELLFNEVVIMRDYQHENVVEMYNSYLVGDELWVVMFLEGGALTDIVTHT
RMNEEQIAAVCLAVLQALSVLHAQGVHRDIKSDSILLTHDGRVKLSDFGCAQVSKEVPRRKS LVGTPYWMAPELI
SRLPYGPEVDIWSLGIMVIEMVDGEPYPFNEPPLKAMKMIRDNLPPRLKNLHKVSPSLKGFLDRLLVRDPAQRATAA
ELLKHPFLAKAGPPASIVPLMRQNRTR

Purity:> 95% by HPLC

Concentration:1 mg/ml

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.