

Product datasheet for **TP317097L**

PAK4 (NM_001014832) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human p21 protein (Cdc42/Rac)-activated kinase 4 (PAK4), transcript variant 3, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217097 protein sequence Red =Cloning site Green =Tags(s)

MFGKRKKRVEISAPSNFEHRVHTGFDQHEQKFTGLPRQWQSLIEESARRPKPLVDPACITSIQPGAPKTI
VRGSKGAKDGALTLDEFENMSVTRSNLRRDSPPPPARARQENGMPEEPATTARGGPGKAGSRGRFAG
HSEAGGGSGDRRRAGPEKRPKSSREGSGGPQESSRDKRPLSGPDVGTQPAGLASGAKLAAGRPFNTYPR
ADTDHPSRGAQGEPHDVAPNGPSAGGLAIPQSSSSSRPTRARGAPSPGVLGPHASEPQLAPPACTPAA
PAVPGPPGPRSPQREPQRVSHEQFRAALQLVDPGDPRSILDNFIKIGEGSTGIVCIATVRSSGKLVAVK
KMDLRKQQRRELLFNEVIMRDIYQHENVVEMYSYLVGDELWVVMFLEGGALTDIVTHTRMNEEQIAAV
CLAVLQALSVLHAQGVHRDIKSDSILLTHDGRVKLSDFGCAQVSKEVPRRKSLSVGTPTYWMAPELISRL
PYGPEVDIWSLIGIMVIEMVDGEPYFNEPPLKAMKMRDNLPPRLKNLHKVSPSLKGFLLRLLVRDPAQR
ATAAELLKHPFLAKAGPPASIVPLMRQNRTR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	63.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001014832](#)

Locus ID: 10298

UniProt ID: [O96013](#), [A0A024R0J1](#)

RefSeq Size: 2765

Cytogenetics: 19q13.2

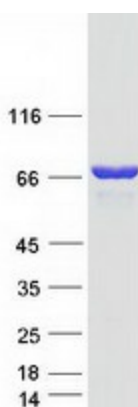
RefSeq ORF: 1773

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Axon guidance, ErbB signaling pathway, Focal adhesion, Regulation of actin cytoskeleton, Renal cell carcinoma, T cell receptor signaling pathway

Product images:



Coomassie blue staining of purified PAK4 protein (Cat# [TP317097]). The protein was produced from HEK293T cells transfected with PAK4 cDNA clone (Cat# [RC217097]) using MegaTran 2.0 (Cat# [TT210002]).