

## Product datasheet for **TP723903**

### PAK2 (NM\_002577) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant kinase domain protein of human p21 protein (Cdc42/Rac)-activated kinase 2 (PAK2), 10 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	GPHMTDEEIM EKLRTIVSIG DPKKKYTRYE KIGQGASGTV FTATDVALGQ EVAIKQINLQ KQPKKELIIN EILVMKELKN PNIVNFLDSY LVGDELFFVM EYLAGGSLTD VVTETCMDEA QIAAVCRECL QALEFLHANQ VIHARDIKSDN VLLGMEGSVK LTDFGFCAQI TPEQSKRSTM VGTPYWMape VVTRKAYGPK VDIWSLGIMA IEMVEGEPY LNENPLRALY LIATNGTPEL QNPEKLSPIF RDFLNRCEM DVEKRGSAKE LLQHPFLKLA KPLSSLTPLI MAAKEAMKSN R
Tag:	Tag Free
Predicted MW:	33.5 kDa
Concentration:	lot specific
Purity:	>90% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl pH 8.0, 150 mM NaCl, 10% glycerol, 5 mM DTT.
Bioactivity:	Specific activity was determined as 85,806 pmoles/min/µg, according to the Zlyte assay protocol
Endotoxin:	< 0.1 ng/µg of protein (< 1EU/µg)
Storage:	Store at -80°C.
Stability:	Stable at -80°C for 12 months from date of receipt. Protein should be thawed on ice. Protein can be flash-frozen in liquid nitrogen and stored at -80°C.
RefSeq:	<a href="#">NP_002568</a>
Locus ID:	5062
UniProt ID:	<a href="#">Q13177</a> , <a href="#">A8K5M4</a>
RefSeq Size:	6139
Cytogenetics:	3q29
RefSeq ORF:	1572



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**Synonyms:** PAK65; PAKgamma

**Summary:** The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. The PAK proteins are a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. The protein encoded by this gene is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Protein Kinase

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

### Product images:

