

Product datasheet for **TP723904**

PAK2 (NM_002577) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant kinase domain protein of human p21 protein (Cdc42/Rac)-activated kinase 2 (PAK2), 100 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: | NP_002568 |
| Locus ID: | 5062 |
| UniProt ID: | Q13177 , A8K5M4 |
| 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:

