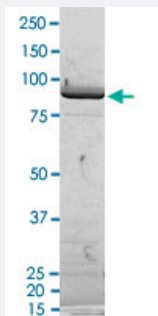**Bioactive**

PAK2 (Human) Recombinant Protein

Catalog #   P4741   Size   100 ug

Applications

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human PAK2 (NM_002577, 3 a.a. - 524 a.a.) partial recombinant protein with GST-His tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	87.95399999999979
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	One-step affinity purification using GSH agarose
Concentration	0.403 ug/uL

Activity	228 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Tris-HCl, 100 mM NaCl, pH 8.0. (5 mM DTT, 15 mM reduced glutathione, 20% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study

- SDS-PAGE

Gene Info — PAK2

Entrez GeneID	5062
Protein Accession#	NM_002577
Gene Name	PAK2
Gene Alias	PAK65, PAKgamma
Gene Description	p21 protein (Cdc42/Rac)-activated kinase 2
Omim ID	605022
Gene Ontology	Hyperlink
Gene 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
Other Designations	S6/H4 kinase|p21 (CDKN1A)-activated kinase 2|p21-activated kinase 2

Pathway

- [Axon guidance](#)

- [ErbB signaling pathway](#)

- [Focal adhesion](#)

- [MAPK signaling pathway](#)

- [Regulation of actin cytoskeleton](#)

- [Renal cell carcinoma](#)

- [T cell receptor signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)

- [HIV Infections](#)

- [Schizophrenia](#)