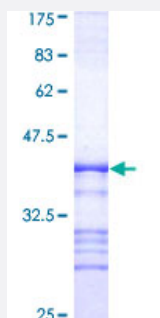


PAK2 (Human) Recombinant Protein (Q01)

Catalog # H00005062-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PAK2 partial ORF (NP_002568, 131 a.a. - 230 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DSNTVKQKYLSTPPEKDGFPSTPALNAKGTEAPAVVTEEEDDDEETAPPVIAPRPDHTKSYT RSVIDPVPAVGDSDHVDGAAKSLDKQKKKTKMTDE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PAK2

Entrez GeneID [5062](#)

GeneBank Accession# [NM_002577](#)

Protein Accession# [NP_002568](#)

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

Publication Reference

- [Identification and validation of new autoantibodies for the diagnosis of DCIS and node negative early-stage breast cancers.](#)

Lacombe J, Mangé A, Jarlier M, Bascoul-Mollevi C, Rouanet P, Lamy PJ, Maudelonde T, Solassol J.

International Journal of Cancer 2013 Mar; 132(5):1105.

Application: ELISA, Human, Serum

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](#)