

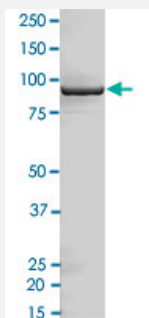
Bioactive

ROCK2 (Human) Recombinant Protein

Catalog # P4770

Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human ROCK2 (NM_004850, 6 a.a. - 553 a.a.) partial recombinant protein with GST-His tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	92.279
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	One-step affinity purification using GSH agarose
Concentration	0.356 ug/uL

Activity	27 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, 4 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 — ROCK2

Entrez GeneID	9475
Protein Accession#	NM_004850
Gene Name	ROCK2
Gene Alias	KIAA0619
Gene Description	Rho-associated, coiled-coil containing protein kinase 2
Omim ID	604002
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a serine/threonine kinase that regulates cytokinesis, smooth muscle contraction, the formation of actin stress fibers and focal adhesions, and the activation of the c-fos serum response element. This protein, which is an isozyme of ROCK1 is a target for the small GTPase Rho. [provided by RefSeq]
Other Designations	OTTHUMP00000195104

Pathway

- [Axon guidance](#)

- [Chemokine signaling pathway](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Regulation of actin cytoskeleton](#)
- [TGF-beta signaling pathway](#)
- [Vascular smooth muscle contraction](#)
- [Wnt signaling pathway](#)

Disease

- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Neoplasm Metastasis](#)
- [Pre-Eclampsia](#)