

Active Recombinant Human ROCK2 Protein, His-tagged

Cat. No. ROCK2-1879H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ROCK2 (5-554) was expressed using baculovirus in Sf9 insect cells with an N-terminal His tag.
Species	Human
Source	Insect cells
ProteinLength	5-554 a.a.
Description	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.
Bio-activity	605 nmol/min/mg
Molecular Mass	~66 kDa
Purity	>95%
Stability	One year at -70 centigrade from the date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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Concentration	0.1 µg/µL
Storage Buffer	Recombinant protein stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25% glycerol.
Shipping	Shipped on dry ice.

GENE INFORMATION

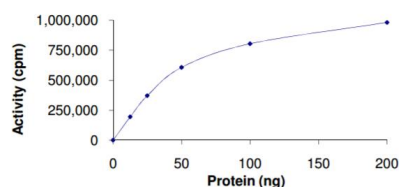
Gene Name	ROCK2 Rho associated coiled-coil containing protein kinase 2 [Homo sapiens (human)]
Official Symbol	ROCK2
Synonyms	ROCK2; Rho associated coiled-coil containing protein kinase 2; ROCK-II; p164 ROCK-2; rho-associated, coiled-coil-containing protein kinase II; EC 2.7.11.1; rho-associated protein kinase 2
Gene ID	9475
mRNA Refseq	NM_004850
Protein Refseq	NP_004841
MIM	604002
UniProt ID	O75116

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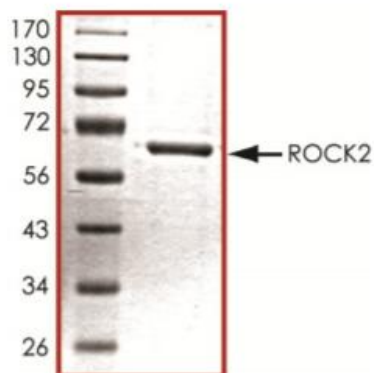
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Sample Kinase Activity Plot



The specific of ROCK2 was determined be 605 nmol/min/mg

Purity



The purity of ROCK2 was determined to be >95% by densitometry, approx. MW 66 kDa.