

ROCK1 抗原（重组蛋白）

中文名称： ROCK1 抗原（重组蛋白）

英文名称： ROCK1 Antigen (Recombinant Protein)

别名： ROCK-I; P160ROCK

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 1115-1354 amino acids of human ROCK1

技术规格

Full name:	Rho-associated, coiled-coil containing protein kinase 1
Synonyms:	ROCK-I; P160ROCK
Swissprot:	Q13464
Gene Accession:	BC113114
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes a protein serine/threonine kinase that is activated when bound to the GTP-bound form of Rho. The small GTPase Rho regulates formation of focal adhesions and stress fibers of fibroblasts, as well as adhesion and aggregation of platelets and lymphocytes by shuttling between the inactive GDP-bound form and the active GTP-bound form. Rho is also essential in cytokinesis and plays a role in transcriptional activation by serum response factor. This protein, a downstream effector of Rho, phosphorylates and activates LIM kinase, which in turn, phosphorylates cofilin, inhibiting its actin-depolymerizing activity.