



Datasheet for ABIN1642467

ROCK1 Protein (AA 1-441) (His tag)



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Overview

Quantity: 1 mg

Target: ROCK1

Protein Characteristics: AA 1-441

Origin: Cow

Source: Yeast

Protein Type: Recombinant

Purification tag / Conjugate: This ROCK1 protein is labelled with His tag.

Application: ELISA

Product Details

Sequence: NSKSQMDKDY YQLQAVLEAE RRDRGHDSEK IGDLQARITS LQEEVKHLKH NLERVEGERK
EAQDMLNHSE KEKNNLEIDL NYKLKSLQQR LEQEVNEHKV TKARLTDKHQ SIEEAKSVAM
CEMEKKLKEE RDAREKAENR VVQIEKQCSM LDVDLKQSQQ KLEHLIENKD RMEDEVKNLT
LQLEQESNKR LLLQNELKTQ AFEADNLKGL EKQMKQEINT LLEAKRLLEF ELAQLTKQYR
GNEGQMRELQ DQLEAEQYFS TLYKTQVKEL KEEIEEKNRE NLKKIQELQS EKETLATQLD
LAETKAESQ LARGLLEEQQ FELTQESKKA ASRNRQEITD KDHTLSRLEE TNSMLTKDIE
LLRKENEELT DKMRKAEEEY KLKKEEEINI LKAAFEKNIN TERTLKTQAV NKLAEIMNRK
DFKIDRKKAN TQDLRKKKKK K

Specificity: Bos taurus (Bovine)

Characteristics: Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity: > 90 %

Target Details

Target: ROCK1

Alternative Name: Rho-associated protein kinase 1 (ROCK1) ([ROCK1 Products](#))

Background: Recommended name: Rho-associated protein kinase 1.

EC= 2.7.11.1.

Alternative name(s): Rho-associated, coiled-coil-containing protein kinase 1 Rho-associated, coiled-coil-containing protein kinase I.

Short name= ROCK-I p160 ROCK-1.

Short name= p160ROCK

UniProt: [Q8MIT6](#)

Pathways: [Microtubule Dynamics](#), [WNT Signaling](#), [M Phase](#), [Maintenance of Protein Location](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Thromboxane A2 Receptor Signaling](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling

Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.