

# Recombinant Human Rock-2 protein (His tag)

Catalog Number:PDEH100162



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

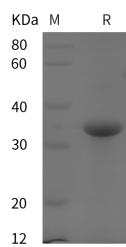
## Description

<b>Synonyms</b>	Rho kinase 2;Rho-associated;Rho-associated protein kinase 2;ROCK 2;Rock II;Rock2;ROCK2;Rock2m;ROK alpha;ROKalpha
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Leu 904-Gly 1140
<b>Accession</b>	O75116
<b>Calculated Molecular Weight</b>	26.0 kDa
<b>Observed molecular weight</b>	35 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

ROCK2/II (Rho-associated protein kinase 2; also Rho-kinase alpha ) is a member of the AGC serine/threonine protein kinase family. ROCK2 is a downstream target of activated RhoA. Its activation results in myosin phosphorylation with subsequent muscle contraction. Human ROCK2 is 1388 amino acids (aa) in length, and appears to be present as a dimer. It contains a protein kinase domain (aa 92?354), a coiled-coil region (aa 429?1131) and a zinc-finger region (aa 1260?1315). Two isoforms show an alternate start site at M686, and a three aa substitution for the N-terminal 444 amino acids.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017