

Recombinant Human ROCK2 protein, His & T7-tagged

Cat. No. ROCK2-1878H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ROCK2 aa. (Leu904~Gly1140 (Accession # O75116)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu904~Gly1140
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.1kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.7.
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

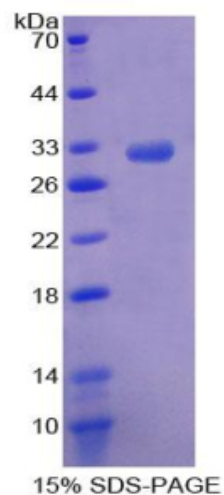
GENE INFORMATION

Gene Name	ROCK2 Rho associated coiled-coil containing protein kinase 2 [Homo sapiens (human)]
Official Symbol	ROCK2
Synonyms	IL17D; interleukin 17D; IL-17D; interleukin-17D
Gene ID	9475
mRNA Refseq	NM_001321643.1
Protein Refseq	NP_001308572.1
UniProt ID	O75116

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SDS-PAGE

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