

Recombinant Mouse Rock1 protein, His-tagged

Cat. No. Rock1-15M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Rock1(Leu1094~Gly1323) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu1094~Gly1323
Description	Rock1 played an important role in many functions.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300
Molecular Mass	29.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Rock1 Rho-associated coiled-coil containing protein kinase 1 [Mus musculus]
Official Symbol	Rock1
Synonyms	ROCK1; Rho-associated coiled-coil containing protein kinase 1; rho-associated protein kinase 1; p160ROCK; p160 ROCK-1; Rho-associated coiled-coil forming kinase 1; rho-associated, coiled-coil-containing protein kinase 1; rho-associated, coiled-coil-containing protein kinase I; Rock-I; 1110055K06Rik;
Gene ID	19877
mRNA Refseq	NM_009071
Protein Refseq	NP_033097
UniProt ID	P70335
Chromosome Location	18; 18 A1
Pathway	Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Chemokine signaling pathway,

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organism-specific biosystem;

Function

ATP binding; GTP-Rho binding; kinase activity; metal ion binding; nucleotide binding; phospholipid binding; protein kinase activity; protein serine/threonine kinase activity; transferase activity; transferase activity, transferring phosphorus-containing groups;

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