

Recombinant Mouse Rock2 Protein, His-tagged

Cat. No. Rock2-2025M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Rock2 Protein (Leu904-Gly1140) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu904-Gly1140
Description	Enables protein serine/threonine kinase activity. Involved in several processes, including positive regulation of macromolecule metabolic process; protein phosphorylation; and regulation of signal transduction. Acts upstream of or within several processes, including extrinsic apoptotic signaling pathway via death domain receptors; nervous system development; and positive regulation of centrosome duplication. Located in Schaffer collateral - CA1 synapse; glutamatergic synapse; and spindle pole centrosome. Is expressed in several structures, including central nervous system; genitourinary system; heart; musculature; and somite. Orthologous to human ROCK2 (Rho associated coiled-coil containing protein kinase 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.0 kDa Accurate Molecular Mass: 31 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Rock2 Rho-associated coiled-coil containing protein kinase 2 [Mus musculus (house mouse)]
Official Symbol	Rock2
Synonyms	ROCK2; Rho-associated coiled-coil containing protein kinase 2; rho-associated protein kinase 2; p164 ROCK-2; Rho-associated coiled-coil forming kinase 2; rho-associated, coiled-coil-containing protein kinase 2; rho-associated, coiled-coil-containing protein kinase II; Rock2m; Rock-II; ROKalpha; mKIAA0619; Rho-kinase; B230113H15Rik;
Gene ID	19878

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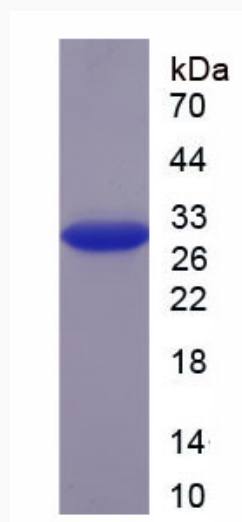
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mRNA Refseq NM_009072

Protein Refseq NP_033098

UniProt ID P70336



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