

Recombinant Mouse Rtkn Protein, His&GST-tagged

Cat. No. Rtkn-2035M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Rtkn Protein (Gln309-Phe416) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gln309-Phe416
Description	Enables GTPase inhibitor activity and small GTPase binding activity. Predicted to be involved in several processes, including Rho protein signal transduction; cytoskeleton-dependent cytokinesis; and septin ring organization. Predicted to act upstream of or within apoptotic process. Predicted to be located in cytosol. Predicted to be active in actomyosin contractile ring. Is expressed in several structures, including alimentary system; brain; hemolymphoid system gland; liver and biliary system; and reproductive system. Orthologous to human RTKN (rhotekin).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.2 kDa Accurate Molecular Mass: 40 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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.

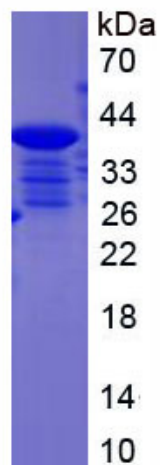
GENE INFORMATION

Gene Name	Rtkn rhotekin [Mus musculus (house mouse)]
Official Symbol	Rtkn
Synonyms	RTKN; rhotekin;
Gene ID	20166
mRNA Refseq	NM_001136227
Protein Refseq	NP_001129699
UniProt ID	Q8C6B2

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