

Recombinant Human RTKN protein, His & GST-tagged

Cat. No. RTKN-8057H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RTKN aa. (Gln309~Phe416 (Accession # Q9BST9)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln309~Phe416
Description	This gene encodes a scaffold protein that interacts with GTP-bound Rho proteins. Binding of this protein inhibits the GTPase activity of Rho proteins. This protein may interfere with the conversion of active, GTP-bound Rho to the inactive GDP-bound form by RhoGAP. Rho proteins regulate many important cellular processes, including cytokinesis, transcription, smooth muscle contraction, cell growth and transformation. Dysregulation of the Rho signal transduction pathway has been implicated in many forms of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%

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Characteristic	The isoelectric point is 4.6.
Applications	SDS-PAGE; WB; ELISA; IP
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 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	RTKN rhotekin [Homo sapiens (human)]
Official Symbol	RTKN
Synonyms	rhotekin
Gene ID	6242
mRNA Refseq	NM_001015055.1

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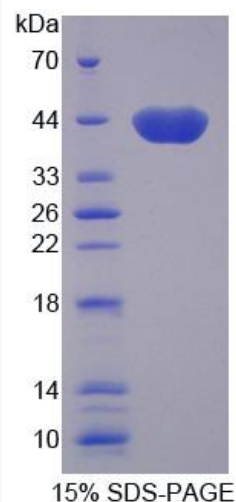
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Protein Refseq NP_001015055.1

UniProt ID Q9BST9

SDS-PAGE



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