

Recombinant Human RHOQ protein, His & GST-tagged

Cat. No. RHOQ-1192H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RHOQ aa. (Met1~Cys202 (Accession # P17081) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Cys202
Description	This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The encoded protein is an important signalling protein for sarcomere assembly and has been shown to play a significant role in the exocytosis of the solute carrier family 2, facilitated glucose transporter member 4 and other proteins, possibly acting as the signal that turns on the membrane fusion machinery. Three related pseudogene have been identified on chromosomes 2 and 14.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 52.3kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 5.9.
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 PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	RHOQ ras homolog family member Q [Homo sapiens (human)]
Official Symbol	RHOQ
Synonyms	RHOQ; ras homolog family member Q; ARHQ; TC10; TC10A; RASL7A; HEL-S-42; rho-related GTP-binding protein RhoQ; RAS-like, family 7, member A; epididymis secretory protein Li 42; ras homolog gene family, member Q; ras-like protein TC10; ras-like protein family member 7A

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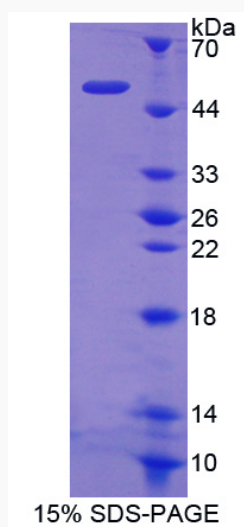
Gene ID 23433

mRNA Refseq NM_012249.3

Protein Refseq NP_036381.2

UniProt ID P17081

SDS-PAGE



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