

Recombinant Human RGS3 293 Cell Lysate

Cat. No. RGS3-2374HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for regulator of G-protein signaling 3 (RGS3), transcript variant 4 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	RGS3 regulator of G-protein signaling 3 [Homo sapiens]
Official Symbol	RGS3
Synonyms	RGS3; regulator of G-protein signaling 3; regulator of G protein signalling 3; C2PA; FLJ20370; PDZ RGS3; regulator of G-protein signalling 3; RGP3; PDZ-RGS3; FLJ31516; FLJ90496;
Gene ID	5998
mRNA Refseq	NM_134427
Protein Refseq	NP_602299
MIM	602189
UniProt ID	P49796
Chromosome Location	9q32
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Ephrin B reverse signaling, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem;

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Function

GTPase activator activity;

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