

Recombinant Human RGS2 293 Cell Lysate

Cat. No. RGS2-2378HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for regulator of G-protein signaling 2, 24kDa (RGS2) 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

RGS2 regulator of G-protein signaling 2, 24kDa [Homo sapiens]

Official Symbol

RGS2

Synonyms

RGS2; regulator of G-protein signaling 2, 24kDa; G0S8, regulator of G protein signalling 2, 24kD , regulator of G protein signalling 2, 24kDa; regulator of G-protein signaling 2; G0/G1 switch regulatory protein 8; cell growth-inhibiting protein 31; G0 to G1 switch regulatory 8, 24kD; cell growth-inhibiting gene 31 protein; G0S8;

Gene ID

5997

mRNA Refseq

NM_002923

Protein Refseq

NP_002914

MIM

600861

UniProt ID

P41220

Chromosome Location

1q31

Pathway

Calcium Regulation in the Cardiac Cell, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways,

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organism-specific biosystem; Signal Transduction, organism-specific biosystem;
Signaling by GPCR, organism-specific biosystem;

Function

GTPase activator activity; calmodulin binding; protein binding;

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