

Recombinant Human RGS20 293 Cell Lysate

Cat. No. RGS20-2377HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for regulator of G-protein signaling 20 (RGS20), transcript variant 2 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

RGS20 regulator of G-protein signaling 20 [Homo sapiens]

Official Symbol

RGS20

Synonyms

RGS20; regulator of G-protein signaling 20; regulator of G protein signalling 20; RGSZ1; ZGAP1; gz-GAP; g(z)GAP; regulator of G-protein signaling Z1; regulator of G-protein signalling 20; gz-selective GTPase-activating protein; regulator of G-protein signaling 20 variant 2; regulator of Gz-selective protein signaling 1;

Gene ID

8601

mRNA Refseq

NM_003702

Protein Refseq

NP_003693

MIM

607193

UniProt ID

O76081

Chromosome Location

8q11.23

Pathway

Calcium Regulation in the Cardiac Cell, organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G alpha (z) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific

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biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;

Function

GTPase activator activity;

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