

Recombinant Human RASGRP1 293 Cell Lysate

Cat. No. RASGRP1-2506HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for RAS guanyl releasing protein 1 (calcium and DAG-regulated) (RASGRP1), transcript variant 1 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

RASGRP1 RAS guanyl releasing protein 1 (calcium and DAG-regulated) [Homo sapiens]

Official Symbol

RASGRP1

Synonyms

RASGRP1; RAS guanyl releasing protein 1 (calcium and DAG-regulated); RAS guanyl-releasing protein 1; CalDAG GEFII; RASGRP; ras activator RasGRP; RAS guanyl nucleotide-releasing protein 1; calcium and DAG-regulated guanine nucleotide exchange factor II; guanine nucleotide exchange factor, calcium- and DAG-regulated, Rap1A; V; hRasGRP1; CALDAG-GEFI; CALDAG-GEFII; MGC129998; MGC129999;

Gene ID

10125

mRNA Refseq

NM_001128602

Protein Refseq

NP_001122074

MIM

603962

UniProt ID

O95267

Chromosome Location

15q15

Pathway

Activation of RAS in B Cells, organism-specific biosystem; Adaptive Immune System,

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organism-specific biosystem; Downstream Signaling Events Of B Cell Receptor (BCR), organism-specific biosystem; Effects of PIP2 hydrolysis, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Hemostasis, organism-specific biosystem;

Function

calcium ion binding; guanyl-nucleotide exchange factor activity; lipid binding;

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