

Recombinant Human RASGRP3 293 Cell Lysate

Cat. No. RASGRP3-2504HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for RAS guanyl releasing protein 3 (calcium and DAG-regulated) (RASGRP3), 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	RASGRP3 RAS guanyl releasing protein 3 (calcium and DAG-regulated) [Homo sapiens]
Official Symbol	RASGRP3
Synonyms	RASGRP3; RAS guanyl releasing protein 3 (calcium and DAG-regulated); ras guanyl-releasing protein 3; GRP3; KIAA0846; guanine nucleotide exchange factor for Rap1; calcium and DAG-regulated guanine nucleotide exchange factor III;
Gene ID	25780
mRNA Refseq	NM_001139488
Protein Refseq	NP_001132960
MIM	609531
UniProt ID	Q8IV61
Chromosome Location	2p25.1-p24.1
Pathway	Activation of RAS in B Cells, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell

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receptor signaling pathway, conserved biosystem; Downstream Signaling Events Of B Cell Receptor (BCR), organism-specific biosystem; Immune System, organism-specific biosystem;

Function

Rap GTPase activator activity; Ras GTPase binding; Ras guanyl-nucleotide exchange factor activity; calcium ion binding; diacylglycerol binding; kinase binding; signal transducer activity;

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