Recombinant Human RASGRP2 293 Cell Lysate

Cat. No. RASGRP2-2505HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for RAS guanyl releasing protein 2 (calcium and DAG-regulated) (RASGRP2), 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	RASGRP2 RAS guanyl releasing protein 2 (calcium and DAG-regulated) [Homo sapiens]
Official Symbol	RASGRP2
Synonyms	RASGRP2; RAS guanyl releasing protein 2 (calcium and DAG-regulated); RAS guanyl-releasing protein 2; CALDAG GEFI; hCDC25L; cdc25-like protein; F25B3.3 kinase-like protein; guanine exchange factor MCG7; RAS guanyl nucleotide-releasing protein 2; calcium and DAG-regulated guanine nucleotide exchange factor I; calcium and diacylglycerol-regulated guanine nucleotide exchange factor I; CDC25L; CALDAG-GEFI;
Gene ID	10235
mRNA Refseq	NM_001098670
Protein Refseq	NP_001092140
MIM	605577
UniProt ID	Q7LDG7
Chromosome Location	11q13

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Pathway	Adaptive Immune System, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved 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; calcium ion binding; diacylglycerol binding; guanyl-nucleotide exchange factor activity; lipid binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA