

Recombinant Mouse Rasgrp2 Protein, Myc/DDK-tagged

Cat. No. Rasgrp2-5390M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RAS, guanyl releasing protein 2 (Rasgrp2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Functions as a calcium- and DAG-regulated nucleotide exchange factor specifically activating Rap through the exchange of bound GDP for GTP. May also activates other GTPases such as RRAS, RRAS2, NRAS, KRAS but not HRAS. Functions in aggregation of platelets and adhesion of T-lymphocytes and neutrophils probably through inside-out integrin activation. May function in the muscarinic acetylcholine receptor M1/CHRM1 signaling pathway.
Molecular Mass	69.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Rasgrp2 RAS, guanyl releasing protein 2 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Rasgrp2](#)

Synonyms

RASGRP2; RAS, guanyl releasing protein 2; RAS guanyl-releasing protein 2; CalDAG-GEFI; F25B3.3 kinase like protein; F25B3.3 kinase-like protein; RAP 1A protein-specific guanine nucleotide exchange factor 1; calcium and DAG-regulated guanine nucleotide exchange factor I; CDC25L; Caldaggef1

Gene ID [19395](#)

mRNA Refseq [NM_011242](#)

Protein Refseq [NP_035372](#)

UniProt ID [Q9QUG9](#)

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