

Recombinant Mouse Rasgrf2 Protein, Myc/DDK-tagged

Cat. No. Rasgrf2-5388M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RAS protein-specific guanine nucleotide-releasing factor 2 (Rasgrf2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Functions as a calcium-regulated nucleotide exchange factor activating both Ras and RAC1 through the exchange of bound GDP for GTP. Preferentially activates HRAS in vivo compared to RRAS based on their different types of prenylation. Functions in synaptic plasticity by contributing to the induction of long term potentiation.
Molecular Mass	136.1 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Rasgrf2 RAS protein-specific guanine nucleotide-releasing factor 2 [Mus musculus (house mouse)]
Official Symbol	Rasgrf2
Synonyms	Rasgrf2; RAS protein-specific guanine nucleotide-releasing factor 2; Grf; Grf2; AW048350; Ras-GRF2; 6330417G04Rik; ras-specific guanine nucleotide-releasing factor 2; ras guanine nucleotide exchange factor 2
Gene ID	19418
mRNA Refseq	NM_009027
Protein Refseq	NP_033053
UniProt ID	P70392

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