

## Recombinant Mouse Rasgrf2 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	136.1 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	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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