

Recombinant Mouse Rapgef4 Protein, Myc/DDK-tagged

Cat. No. Rapgef4-5378M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Rap guanine nucleotide exchange factor (GEF) 4 (Rapgef4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Guanine nucleotide exchange factor (GEF) for RAP1A, RAP1B and RAP2A small GTPases that is activated by binding cAMP. Seems not to activate RAB3A. Involved in cAMP-dependent, PKA-independent exocytosis through interaction with RIMS2.
Molecular Mass	113.9 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	Rapgef4 Rap guanine nucleotide exchange factor (GEF) 4 [Mus musculus (house mouse)]
Official Symbol	Rapgef4
Synonyms	RAPGEF4; Rap guanine nucleotide exchange factor (GEF) 4; rap guanine nucleotide exchange factor 4; cAMP-GEFII; exchange factor directly activated by cAMP 2; exchange protein directly activated by cAMP 2; cAMP-regulated guanine nucleotide exchange factor IIB; cAMP-dependent Rap1 guanine-nucleotide exchange factor; Epac2; EPAC 2; Epac-2; mKIAA4040; 1300003D15Rik; 5730402K07Rik; 6330581N18Rik; KIAA4040
Gene ID	56508
mRNA Refseq	NM_019688
Protein Refseq	NP_062662
UniProt ID	Q9EQZ6

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