

Product datasheet for **TP522195**

Rapgef4 (NM_019688) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Rap guanine nucleotide exchange factor (GEF) 4 (Rapgef4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR222195 representing NM_019688
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MVAHAHAHSQSSAEWIACLDKRPLERSEDVDIIFTRLKGVKAFEFKHPNLLRQICLCGYENLEKGITL
FRQGDIGTNWYAVLAGSLDVKVSETSSHQDAVTICTLGIGTAFGESILDNTPRHATIVTRESSELLRIEQ
EDFKALWEKYRQYMAGLLAPPYGVMETGSNNDRIPDKENVPSEKILRAGKILRIALSRAHPMIRDRKYH
LKTYRQCCVGTTELVDWMIQQTSCVHSRTQAVGMWQVLEDDGVLNHDVQERHFQDKYLFYRFLDDEREDAP
LPTEEEKKECDEELQDTMLLLSQMGPDAMRMILRKPPGQRTVDDLEIYDELLHIKALSHLSTTVKREL
AGVLIFESHAKGGTVLNFQGEETGSWYIILKGSVNVVIYKGGVCTLHEGDDFGKLALVNDAPRAASIVL
REDNCHFLRVDKEDFNRLRDVEANTVRLKEHDQDVLVLEKVPAGNRAANQGNSQPQQKYTVMSGTPEKI
LEHFLETIRLEPSLNEATDSVLNDFVMMHCVFMPNTQLCPALVAHYHAQPSQGTEQERMDYALNNKRRVI
RLVLQWAAMYGDLLQEDDVAMAFLEEFVSVSDDARMMAAFKEQLPELEKIVKQISEDAPQKKHKVLL
QQFNTGDERAQRQPIRGSDVLFKVICIDHTYTTIRVPVAASVKEVISAVADKLGSGEGLIIVKMNSGG
EKVVLKSNDVSVFTTLTINGRLFACPREQFDSLTPLEQEGPTTGTVGTFELMSSKDLAYQMTTYDWELF
NCVHELELIYHTFGRHNFKKTANLDLFLRRFNEIQFWVTEVCLCSQLSKRVQLLKKFIKIAAHCKEYK
NLNSFFAIVMGLSNVAVSRLALTWEKLPKFKKFFYAEFESLMDPSRNHRAYRLTAAKLEPPLIPFMPLLI
KDMTFTHEGNKTFIDNLVNFKMRMIANTARTVRYRSQPFNPDAQAANKNHQDVRYSYVRQLNVIDNQRT
LSQMShrLEPRRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	113.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_062662
Locus ID:	56508
UniProt ID:	Q9EQZ6 , Q571A8
RefSeq Size:	2982
Cytogenetics:	2 C3
RefSeq ORF:	2979
Synonyms:	1300003D15Rik; 5730402K07Rik; 6330581N18Rik; Epac-2; EPAC 2; Epac2; mKIAA4040
Summary:	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.[UniProtKB/Swiss-Prot Function]