

Product datasheet for **TP511040**

Rapgef3 (NM_144850) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Rap guanine nucleotide exchange factor (GEF) 3 (Rapgef3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211040 protein sequence Red =Cloning site Green =Tags(s)

MVLKRMHRPRCCSYQLVFEHRRPSCIQGLRWTPLTNSEDSDLFRVSLEQATTEHVHKAGKLLHRHLLATY
PTLIRDRKYHLRLYRHCCSGRELVDGILALGLGVHSRSQAVGICQVLLDEGALCHVKHDWTFQDRDAQFY
RFPGPEPEPTGTQDVEEELVEAMALLSQRGPDALLTVALRKPPGQRTDEELDLIFEELLHIKAVAHLSNS
VKRELAAVLLFEPHSHKAGTVLFSQGDKGTSWYIIWKGSVNVVTHGKGLVTTLHEGDDFGQLALVNDAPRA
ATIILRENNCHFLRVDKQDFNRIKDVEAKTMRLEEKGKVVVLERTSQGAGPSRPPTPGRNRYTVMSGT
PEKILELLLLEAMRPDSSAHDPTETFLSDFLLTHSVFMPSTQLFTALLHHFHVEPADPAGGSEQEHSTYIC
NKRQQLRLVGRWVALYSPMLHSDPVATSFLQKLSLVSRLDARLSNLLREQYPERRRHRLNENGCNGVSP
QTKARNAPVWLPNQEEPLPSSAGAIRVGDKVPYDICRPDHSVTLHLPTASVREVMALAHEDHWTKGQ
VLVKVNSAGDVVGLQPDARGVATSLGLNERLFVDPQEVHELTPHPEQLGPTLGSEMLDLVSAKDLAQ
LTDHDWNLFNRIHQVQEHLRDVTTANLERFMRRFNEQYVWATELCLCPVPGSRAQLLRKFIKLAAHLKE
QKNLNSFFAVMFGLSNSAISRLAHTWERLPHKVRKLYSALERLLDPSWNHRVYRLALTKLSPVPIPFMPL
LLKDVTFIHEGNHTLVENLINFKMRMMARAVRMLHHCRRSHSTAPLSPLRSRVSHIHEDSQGSRISTCSE
QSLSTRSPASTWAYVQQLKVIDNQRELSRLSRELEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	99.2 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
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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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_659099
Locus ID:	223864
UniProt ID:	Q8VCC8
RefSeq Size:	3801
Cytogenetics:	15 F1
RefSeq ORF:	2631
Synonyms:	2310016P22Rik; 9330170P05Rik; Epac; Epac1
Summary:	Guanine nucleotide exchange factor (GEF) for RAP1A and RAP2A small GTPases that is activated by binding cAMP. Through simultaneous binding of PDE3B to RAPGEF3 and PIK3R6 is assembled in a signaling complex in which it activates the PI3K gamma complex and which is involved in angiogenesis. Plays a role in the modulation of the cAMP-induced dynamic control of endothelial barrier function through a pathway that is independent on Rho-mediated signaling. Required for the actin rearrangement at cell-cell junctions, such as stress fibers and junctional actin (By similarity).[UniProtKB/Swiss-Prot Function]