

Product datasheet for TP526568

Rasgrf2 (NM_009027) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RAS protein-specific guanine nucleotide-releasing factor 2 (Rasgrf2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226568 representing NM_009027 Red=Cloning site Green=Tags(s)

MQKSVRYNEGHALYLAMLARKEGTRKGFSLKAAEASRWHEKWFALYQNVLFYFEGEQSGRPAGMYLLEG
CSCERTPAPPRTNAGPAGARDALDKQYYFTVLFQHDGQKPLELRCEEEQAGKEWMEAIHQASYADILIER
EVLQKQYIHLVQIVETEKIATNQLRHQLEDQDTEIERLKSEIVALNKTKERMPYHVHQEEEDPDIIKKI
KVQSFMRGWLCRRKWKTVQDYICSPHAESMRKRNIQVFTMVEAETEVVHQLYILVNGFLRPLRMAASSK
KPPINHDDVSSIFLNSETIMFLHEIFHQGLKARLANWPTLVLADLFDILLPMLNIYQEFVRNHQYSLQVL
ANCKQNRDFDKLLKQYEANPACEGRMLETFLTYPMFQIPRYIITHELLAHTPHEHVERKSLEFAKSKLE
ELSRVMHDEVS DTENIRKNLAIERMIVEGCDILLDTSQTFIRQGS LIQVPSVERGKLSKVRGLGSLSLKKE
GERQCFLFTKHFLICTRSSGGKLHLLKTGGVLSLIQCTLIEEPDGSDDDPKGS GHMFGHLDFKIVVEPPD
AASFVLLAPSRQEKAAWMSDISQCVDNIRCNGLMTIVFEENSKVTPHMIKSDARLHKDDTDICFSKT
LNSCKVPQIRYASVERLLERLTDLRFLSIDFLNFTLHTYRIFTTATVVLAKLSDIYKRPFTSIPVRSLEL
FFATSQNNREHLVDGKSPRLCRKFSSPPPLAVSRTSSPVRARKLSLTSSLNSRIGALDLTNSSSSSSPTT
TTHSPAASPPHTAVLESAPADKAGDSADMSPCRSPTTPRHLRYRQPGGQVADSAHCSVSPASAFAIATA
AAGHGSPPGFNNERTCDKEFIIRRTATNRVLNVLRHVWSKHAQDFELNNELKMNVLNLLLEVL RDPDLLP
QERKATANILRALSQDDQDDIHLKLEDIIQMTDCPKAECFETLSAMELAEQITLLDHIVFRSIPYEEFLG
QGWMKLDKNERTPYIMKTSQHFNEMSNLVASQIMNYADISSRANAIEKWWAVADICRCLHNYNGVLEITS
ALNRSAYRLKKTWAKVSKQTKALMDKLQKTVSSEGRFKNLRETLKNCNPPAVPYLGMYLTDLAFIEEGT
PNFTEEGLVNF SKMRMISHIIREIRQFQQTAYRIDQQPKVIQYLLDKALVIDEDSLYELSLKIEPRLPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	136.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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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.
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_033053
Locus ID:	19418
UniProt ID:	P70392
RefSeq Size:	7595
Cytogenetics:	13 47.43 cM
RefSeq ORF:	3567
Synonyms:	6330417G04Rik; AW048350; Grf2; Ras-GRF2
Summary:	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.[UniProtKB/Swiss-Prot Function]