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Product datasheet for TP508493

Ric8a (NM_053194) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RIC8 guanine nucleotide exchange factor A (Ric8a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208493 protein sequence Red=Cloning site Green=Tags(s) MEPRAVADALETGEEDAVTEALRSFNREHSQSFTFDDAQQEDRKRLAKLLVSVLEQGLSPKHRVTWLQTI RILSRDRSCLDSFASRQSLHALACYADITVSEEPIPQSPDMDVLLESLKCLCNLVLSSPTAQMLAAEARL VVRLAERVGLYRKRSYPHEVQFFDLRLLFLLTALRTDVRQQLFQELHGVRLLTDALELTLGVAPKENPPV MLPAQETERAMEILKVLFNITFDSVKREVDEEDAALYRYLGTLLRHCVMVEAAGDRTEEFHGHTVNLLGN LPLKCLDVLLALELHEGSLEFMGVNMDVISALLAFLEKRLHQTHRLKECVAPVLNVLTECARMHRPARKF LKAQVLPPLRDVRTRPEVGDLLRNKLVRLMTHLDTDVKRVAAEFLFVLCSESVPRFIKYTGYGNAAGLLA ARGLMAGGRPEGQYSEDEDTDTEEYREAKASINPVTGRVEEKPPNPMEGMTEEQKEHEAMKLVNMFDKLS RHRVIQPMGMSPRGHLTSLQDAMCETMEGQLSSDPDSDPD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	59.8 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.
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_444424

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Locus ID:	101489
UniProt ID:	Q3TIR3
RefSeq Size:	2967
Cytogenetics:	7 F4
RefSeq ORF:	1593
Synonyms:	AI114950; RIC-8; Ric8
Summary:	Guanine nucleotide exchange factor (GEF), which can activate some, but not all, G-alpha proteins. Able to activate GNAI1, GNAO1 and GNAQ, but not GNAS by exchanging bound GDP for free GTP. Involved in regulation of microtubule pulling forces during mitotic movement of chromosomes by stimulating G(i)-alpha protein, possibly leading to release G(i)-alpha-GTP and NuMA proteins from the NuMA-GPSM2-G(i)-alpha-GDP complex. Also acts as an activator for G(q)-alpha (GNAQ) protein by enhancing the G(q)-coupled receptor-mediated ERK activation (By similarity).[UniProtKB/Swiss-Prot Function]