

Product datasheet for TP311359L

RIC8 (RIC8A) (NM_021932) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human resistance to inhibitors of cholinesterase 8 homolog A (C. elegans) (RIC8A), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211359 representing NM_021932 Red=Cloning site Green=Tags(s)

MEPRAVAEAVETGEEDVIMEALRSYNQEHSQSFTFDDAQQEDRKRLAELLVSVLEQGLPPSHRVIWLQSV
RILSRDRNCLDPFTSRQSLQALACYADISVSEGSVPESADMDVVLES�KCLCNLVSSPVAQMLAAEARL
VVKLTERVGLYRERSFPHDVQFFDLRLLFLLTALRTDVRQQLFQELKGVRLTDTLELT LGVTPEGNPPP
TLLPSQETERAMEILKVLFNITLDSIKGEVDEEDAALYRHLGTLRLRHCVMATAGDRTEEFHGHAVNLLG
NLPLKCLDVLLTLEPHGDSTEFMGVNMDVIRALLIFLEKRLHKTHRLKESVAPVLSVLTECARMHRPARK
FLKAQGWPPPQVLPLRDVTRPEVGEMLRNKLVRMLTHLDTDVKRVAEFLVLCSESVPFRIFYTGYG
NAAGLLAARGLMAGGRPEGQYSEDEDTDTDEYKEAKASINPVTGRVEEKPPNPMEGMTEEQKEHEAMKLV
TMFDKLSRNRVIQPMGMSPRGHLSLQDAMCETMEQQLSSDPDSDPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

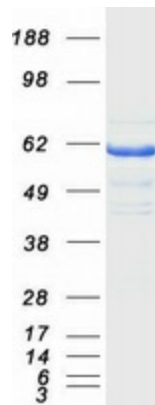
Tag:	C-Myc/DDK
Predicted MW:	60.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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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_068751
Locus ID:	60626
UniProt ID:	Q9NPQ8
RefSeq Size:	2714
Cytogenetics:	11p15.5
RefSeq ORF:	1611
Synonyms:	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 (By similarity). Also acts as an activator for G(q)-alpha (GNAQ) protein by enhancing the G(q)-coupled receptor-mediated ERK activation.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified RIC8A protein (Cat# [TP311359]). The protein was produced from HEK293T cells transfected with RIC8A cDNA clone (Cat# [RC211359]) using MegaTran 2.0 (Cat# [TT210002]).