

Product datasheet for TP311359

OriGene Technologies, Inc.

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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), 20 μg

Species: Human Expression Host: HEK293T

Expression cDNA Clone >RC211359 representing NM_021932 or AA Sequence: Red=Cloning site Green=Tags(s)

MEPRAVAEAVETGEEDVIMEALRSYNQEHSQSFTFDDAQQEDRKRLAELLVSVLEQGLPPSHRVIWLQSV RILSRDRNCLDPFTSRQSLQALACYADISVSEGSVPESADMDVVLESLKCLCNLVLSSPVAQMLAAEARL VVKLTERVGLYRERSFPHDVQFFDLRLLFLLTALRTDVRQQLFQELKGVRLLTDTLELTLGVTPEGNPPP TLLPSQETERAMEILKVLFNITLDSIKGEVDEEDAALYRHLGTLLRHCVMIATAGDRTEEFHGHAVNLLG NLPLKCLDVLLTLEPHGDSTEFMGVNMDVIRALLIFLEKRLHKTHRLKESVAPVLSVLTECARMHRPARK FLKAQGWPPPQVLPPLRDVRTRPEVGEMLRNKLVRLMTHLDTDVKRVAAEFLFVLCSESVPRFIKYTGYG NAAGLLAARGLMAGGRPEGQYSEDEDTDTDEYKEAKASINPVTGRVEEKPPNPMEGMTEEQKEHEAMKLV

TMFDKLSRNRVIQPMGMSPRGHLTSLQDAMCETMEQQLSSDPDSDPD

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

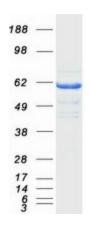
Cytogenetics: 11p15.5
RefSeq ORF: 1611
Synonyms: RIC8

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]).