

## Product datasheet for **TP311359M**

### **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), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC211359 representing NM\_021932  
**Red**=Cloning site **Green**=Tags(s)

MEPRAVAEAVETGEEDVIMEALRSYNQEHSQSFTFDDAQQEDRKRLAELLVSVLEQGLPPSHRVIWLQSV  
RILSRDRNCLDPFTSRQSLQALACYADISVSEGSVPESADMDVVLESKCLCNLVLSSPVAQMLAAEARL  
VVKLTERVGLYRERSFPHDVQFFDLRLLFLLTALRTDVRQQLFQELKGVRLTDTLELT LGVTPEGNPPP  
TLLPSQETERAMEILKVLFNITLDSIKGEVDEEDAALYRHLGTLRLHRCVMIATAGDRTEEFHGHAVNLLG  
NLPLKCLDVLLTLEPHGDSTEFMGVNMMDVIRALLIFLEKRLHKTHRLKESVAPVLSVLTECARMHRPARK  
FLKAQGWPPPQVLPLRDVTRPEVGEMLRNKLVRLMTHLDTDVKRVAEFLVLCSESVPRFIKYTGYG  
NAAGLLAARGLMAGGRPEGQYSEDEDTDTDEYKEAKASINPVTGRVVEEKPPNPMEGMTEEQKEHEAMKLV  
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.

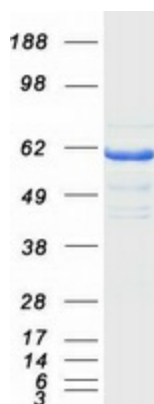
**Storage:** Store at -80°C.



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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:	<a href="#">NP_068751</a>
Locus ID:	60626
UniProt ID:	<a href="#">Q9NPQ8</a>
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]).