

Product datasheet for **MC205693**

Rit1 (NM_009069) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Rit1
Synonyms:	RIBB; Rit; ROC1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC012694 CCACGCGTCCGGCAGCTGGGAAAGGAACGCGGGTTACCAACCCGGCCTCAAAGCTGGTTTCAGAGGAGGCC TTTCCCAGGGGCCAGGACTGCCCGGAGGACAATGGAGTCCGGAGCTCGCCCCATTGGTAGCAGCTGTA GCAGCCCTGCAGCACTCTCCCGGAATACAACTAGTGATGCTGGGTGCCGGTGGAGTTGGGAAGAGTGC CATGACAATGCAGTTTCATCAGCCACCGATTCCAGAGACCATGACCCACCATTAAGATGCTTATAAG ATCCGGATCCGATTGATGATGAACCTGCCAATCTGGACATCTGGACACAGCAGGACAGGCAGAGTTTA CAGCCATGCGGGATCAGTATATGAGGGCAGGAGAAGGATTCATCATCTGTACTCCATCACGGATCGTCG AAGTTTCCACGAAGTTCGGGAGTTTAAACAACCTGATTTACCGGGTCCGACGCACCGATGATACACCGGTG GTTCTTGTTGGGGAACAAGTCTGACCTAAAGCAGCTGAGGCAGGTCTCCAAGGAAGAGGGATTGTCTCTGG CTCGAGAATTCAGTTGTCCCTTTTTTGAGACCTCAGCTGCCTACCGTTACTACATCGACGACGTTTTCCA CGCCCTCGTCCGGGAGATCCGTAAAGAAAGAGAAGGAGCTAGTACTGGCCATGGAGAAGAAGGCCAAACCC AAGAACAGCGTATGGAAGAGGCTGAAGTCACCGTTTCAGGAGGAAGAAAGACTCGGTCACCTGAGTGAAGT GGGCTGTGCTCCTGTGAAGTGCAGTGTCTTGTGCTGTGTGAAGTGCAGTGTCTCCAGTGCAGTCC TGTAATCTGCAGCAGGGAGCACGTCTCTGCTCTGCTATGTGGTTATTCTAAACGTCACTGGCCAGGG GACTCGCTACTGAGAGCTGTCACTTACTGTCTAAAGCCCTGTGCTCCGTGACTCCACGCATGAA CTCATCAGGGCCGTGTCTACTCTTAATTGTACATTAGAATTTGGTCGGCCATTGTTTTGGTTATGTTG CTGATGTAAATTTGTGTAATGGTTTCTACCCTGGAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_009069
Insert Size:	660 bp



OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC012694 , AAH12694
RefSeq Size:	1102 bp
RefSeq ORF:	660 bp
Locus ID:	19769
UniProt ID:	P70426
Cytogenetics:	3 F1
Gene Summary:	Plays a crucial role in coupling NGF stimulation to the activation of both EPHB2 and MAPK14 signaling pathways and in NGF-dependent neuronal differentiation. Involved in ELK1 transactivation through the Ras-MAPK signaling cascade that mediates a wide variety of cellular functions, including cell proliferation, survival, and differentiation (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.