

Product datasheet for MR202437

Rit2 (NM_009065) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rit2 (NM_009065) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rit2
Synonyms:	RIBA; Rin; Roc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202437 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTAGAAAACGAAGCCCACTGCTGCCCTGGCAGCTCATCAGGCGGGTCCAGAGAGTACAAGGTGG
TAATGCTGGGCGCAGGGGGCGTTGGTAAAAGCGCAGTCACAATGCAGTTTATAAGCCACCAGTCCC
CTATCACGACCCACAATCGAAGATGCTTATAAAACCCAGGTGAGGATTGATAATGAGCCTGCTTACTTA
GACATCTTGGACTGCTGGTCAGGCAGAGTTCACGGCCATGCGGGAGCAGTACATGCGTGGGGGAGAGG
GCTTCATCATCTGCTATTCTGTCACTGACCGCCAGTCATTCCAGGAGGCTGCCAAGTTCAAGGAGCTTAT
TTTCCAGGTCCGTACACCTATGAAATCCCTTGTGCTAGTGGGTAACAAAATTGACTTGAGCAGTTC
CGTCAGGTATCTACAGAAGAAGGCATGAATCTTGCTCGAGACTACAACCTGTGCCTCTTTGAGACATCTG
CAGCCCTGCGATTTCGGTATCGATGATGCTTTTCAAGGCTTAGTGAGAGAAATTCGCAGGAAGGAATCCAT
GCTGTCTTGGTGGAAAGGAAATTGAAGAGGAAGGACAGCCTGTGGAAGAAGATAAAAAGCCTCCCTGAAG
AAGAAGAGAGAAAACATGTTG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202437 protein sequence
Red=Cloning site Green=Tags(s)

MEVENEAHCCPGSSSGSREYKVVMLGAGGVGKSAVTMQFISHQFPDYHDPTIEDAYKTQVRIDNEPAYL
DILDTAGQAEFTAMREQYMRGGEGFIICYSVTRQSFQEA AKFKELIFQVRHTYEIPLVLVGNKIDLEQF
RQVSTEEGMNLARDYNCAFFETSAAALRFGIDDAFQGLVREIRRKESMLSLVERKLRKDSLWKKIKASLK
KKRENML

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_009065

ORF Size: 654 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

RefSeq: [NM_009065.2](#), [NP_033091.1](#)

RefSeq Size: 1851 bp

RefSeq ORF: 654 bp

Locus ID: 19762

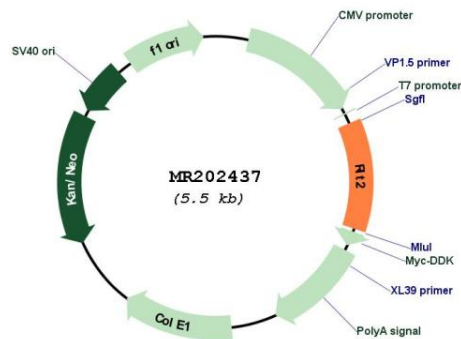
UniProt ID: [P70425](#)

Cytogenetics: 18 B1

MW: 24.8 kDa

Gene Summary: Binds and exchanges GTP and GDP. Binds and modulates the activation of POU4F1 as gene expression regulator.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202437