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# Product datasheet for MR230953

## Rbak (NM_001045482) Mouse Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Rbak (NM_001045482) Mouse Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | Rbak |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |



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**ORF Nucleotide Sequence:**

>MR230953 representing NM_001045482
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCAGATCAAAGGGCCCACTGTCATTCAAGGATGTGGCTGTGGCCTTCTCCCAGGAGGAGTGGCAGC
AGCTGGACCCTGAGGAGAGGACCACATACAGGGATGTGATGCTGGAGACCTACAGCAACCTCGTCTCCGT
GGGGTATGACGTTACCAAGCCAAACATGATTATTAAGTTGGAGCAGGGAGAAGAGCCCTGGACAGTGGAA
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TTAGACAGTGAAAGTGTTTTCATGGCTCGTGAGAGAGCTTACATGGGGGAGAAGCCCTATGACTGGGGAG
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CTTCGAATGTACACAGTGTGGGAAGTCCTTCTGTAAGAAGTCCAAATTCATCATCCACCAGAGAGCTCAC
ACAGGAGAGAAGCCGTACGCTTGTAGTGTGTGTGGAAAGTCCTTCAGTCAAAAGGGAACCCTCACTGTAC
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ACACCTCACACAGCACCAGAGGACTCACTCAGGAGAGAAGCCCTATGAATGTAGCGAGTGCGGGAAGTCC
TTCTGCCAGAAGACACACCTCACTCTCCACCAGAGGAATCACTCAGGCGAGAGGCCCTACCCGTGTAATG
AATGTGGGAAATCCTTCTCCCGGAAGTCTGCCCTCAATGACCATCAGAGGACACACACAGGAGAGAAGCT
CTATAAGTGTAATGAGTGTGGGAAATCCTACTACCGGAAGTCCACCCTCATTACACACCAGAGGACACAC
ACAGGGGAGAAGCCCTATCAGTGTAGTGAGTGTGGGAAATTCTTCTCTCGGGTGTCGTACCTCACCATAC
ACTATCGGAGCCATTTAGAAGAGAAACCTTACGAGTGTACAGAATGTGGGAAAACCTTCAATCTAAACTC
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CGGATGTCGAACCTCACCGTACACTACCGAAGCCATTCAGGAGAGAAGCCGTATGAGTGCAACGAGTGTG
GGAAAGTCTTTTCTCAGAAGTCGTACCTCACCGTGCATTACCGGACTCATTCAGGAGAGAAACCTTATGA
ATGTAACGAATGTGGGAAAAAATTCCACCACAGATCAGCCTTCAATAGCCATCAGAGAATTCATAAAAGA
GGCACTGTAAATGTACTCACTGTAGAAAAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230953 representing NM_001045482
Red=Cloning site Green=Tags(s)

MSRSKGPLSFKDVAVAFSQEEWQQLDPEERTTYRDVMLETYSNLVSVGYDVTKPNMIIKLEQGEEPWTVE
GDRHAQRHLEISKVYYDPREGIEEIGEKHLQCDDDPYCWRAEKGAAFDEAYTLETALISPSSGAHSCVSCG
ETLESVSELISSDGSYALEKPSMCFECGKAYGESLEDFNQDEGNSSQHDENILQKVTILEKPFAYECMEA
LDSESVFMARERAYMGEKPYDWGDSGPDFIQMSDFSTYPRSQMELKPFECTQCGKSFCKKSKFIIHQRAH
TGEKPYACSVCGKSFSQKGTLTVHRRSHLEEKPYKCNECGKTFCQKLHLTQHQRTHSGEKPYECSECGKS
FCQKTHLTLHQRNHSGERPYPCNECGKSFSRKSALNDHQRTHTGEKLYKCNECGKSYYRKSTLITHQRTH
TGEKPYQCSECGKFFSRVSYLTIHYRSHLEEKPYECTECGKTFNLNSAFIRHWKVHAEERVQECGECGKP
SPLQCAPDHTGDLGEKRYECNECGKTFLDSSAFHRHQSVPEGEKTYECNICGKSFSDSSCYTVHYRGHSE
EKPFGCSECGKTFSHNSSLFRHQRVHTGEKPYECYECGKFFSQKSYLTIHHRIHSGEKPYECSKCGKVFS
RMSNLTVHYRSHSGEKPYECNECGKVFSQKSYLTVHYRTHSGEKPYECNECGKKFHHRSAFNSHQRIHKR
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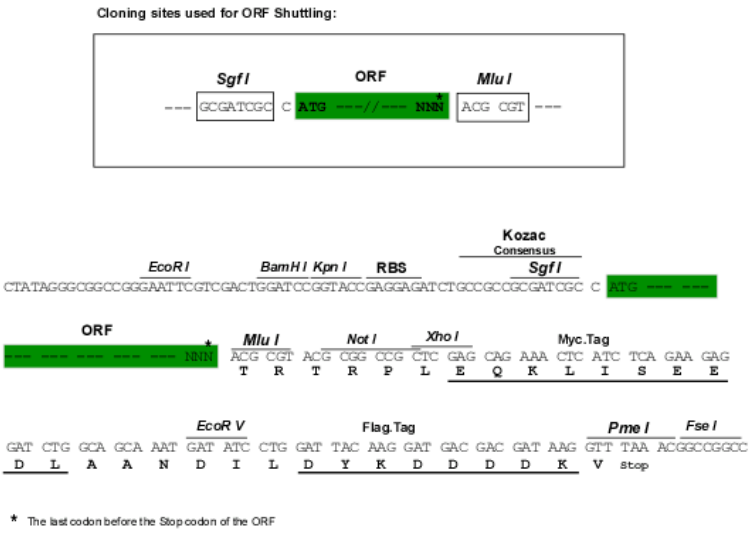
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**ACCN:** NM_001045482

**ORF Size:** 2133 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_001045482.2, NP_001038947.1

**RefSeq Size:** 3380 bp

**RefSeq ORF:** 2136 bp

**Locus ID:** 57782

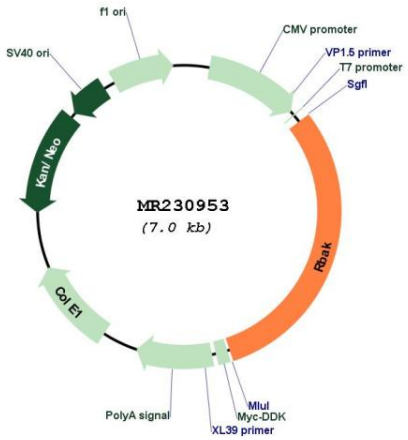
**UniProt ID:** Q8BQC8

**Cytogenetics:** 5 G2

**MW:** 82.1 kDa

**Gene Summary:** May repress E2F-dependent transcription. May promote AR-dependent transcription. [UniProtKB/Swiss-Prot Function]

## Product images:




Circular map for MR230953