

Product datasheet for **RR217556**

Rbp3 (NM_001191832) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbp3 (NM_001191832) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rbp3
Synonyms: Irbp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217556 representing NM_001191832
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGAGAGAATGGTCTGGTTTTGTCCACACTGCTATGTGTTCTGGCTGGTCCCACGCACCTTTCC
 AGCCAAGCCTGGTACTGGATATGGCAAGTCTCCTGGATAACTACTGTTCCCGAGAACCTGATGGG
 AATGCAAGCGCGATTGAGCAGGCTATGAAGATCATGAGATTCTGGGCATCTCGGACCCTCAGACGCTG
 GCCCATGTGCTGACAGTTGGAGTCCAGAGCTCTTTGAATGACCCACGTCTCTTCACTCCTATGAGCCCA
 GTACCCTCGAGGCCCCAGCAAGCACCAGCACTCACCGACCTCACCCGAGAAGAGCTGTGGCCAGAT
 ACAGAGGAACATCCGCCATGAGTTCTTGGAGTAACTGGGCTACCTACGAGTGGATGATCTCCCTGGA
 CAGGAGGTACTGAGTGGCTGGGGAGTTCCTAGTGAGCCATGTGTGGAAGCAGCTCACGGGCACCTCCT
 CTTGGTGTAGATCTCCGTCACCTGTGCTGGTGGTGTCTCTGGGATCCCTTATGTCATCTCCTACTT
 GCACCTGGGAACACAGTCTTGCACGTGGATACCATCTACGATCGGCCCTCCAACACCACCACAGAGATC
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 AACTGGGGGAGTAGCCGAGGACATCGTTACATCCTCAAGCAGATGCGCAGGGCCATCGTGGTGGTGA
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 GGACACAGAGCACCTCATCATGGACCTGCGTCAACCCCTGGGGGTCCGTCTCTGCCGTGCTCTGGTT
 CTGTCTACTTTTCAGGTCGGAGGCTGGGCCCTACGGCTCTTACCACCTATGACCGTCGCACCAACA



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TCACCCAGGAGCATTTCAGCCACAAGGAGCTGCTAGGCCAACGATACGGCAACCGGCGTGGGGTGTACCT
GCTTACTAGCCACAGGACTGCCACGGCTGCGGAAGAGTTTGCCTTCTCATGCAGTCGCTGAGCTGGGCC
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ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217556 representing NM_001191832
 Red=Cloning site Green=Tags(s)

MMREWVLVLSTLLCVLAGPHTLFPQSLVLDMAKVLLDNYCFPENLMGMQAAIEQAMKSHEILGISDPQTL
 AHVLTVGQSSSLNDPRLFISYEPSTLEAPQQAPAL TDL TREELLAQIQRNIRHEVLEDNVGYLRVDDLPG
 QEVLSELGEFLVSHVWKQLTGTSSLVLDLRHCAGGHVSGIPYVISYLHPGNTVLHVDTIYDRPSNTTTEI
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 RALVDSVFQVSVLPGNVGYLRFDRFADASVLKTLGPYVLRQVWEPLQDTEHLIMDLRHNPGGSSAVPLV
 LSYFQGP EAGPVRLFTTYDRRTNITQEHEFSHKELLGQRYGNRRGVYLLTSHRTATAAEAFALMQSLSWA
 TLVGEITAGSLLHTCTVPLLDSP EGGTLTVPVLT FIDNHGEAWLGGGVVPAIVLAAEALERAQEVDF
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 HSPGELVAEEVPLPPP AIPSPEELSYL IEALFKTDVLP GHLGYLRFDAMAELETVKAIGPQLVRLVWQRL
 VDTAALVVDLRYNPGSYSSAVPLLC SYFFEEEP RQHLYSVFDRATSRVTEIWTLPLVAGQRYGSHKDL YI
 LMSHTSGSAAEAF AHTMQDLQRATVIG EPTAGGALSVGIQVDNSPL YASMP TQMAL SATTGEAWDLAGV
 EPDITVPMSEALSTAQDI VALRAKVPTVLQTAGKLVADNYASPELGAKMAAKLSGLQSR YARVTSEGALA
 EMLGADLQMLSGDPHLKTAHIPEDAKDRIPGIVPMQIPSP E VFEDLIKFSFHTNVFEDNIGYLR FDMFGD
 CELLIQVSELLVEHIWKKIVHTDALIIDMRFNIGGPTSSISALCSYFFDEAPPVLLDKIYNRPNDISEL
 WTHSQLTGERYGSKKSVAILTSGVTAGAAEEFTYIMKRLGRALV VGEVTSGGCQP PQT YHVDDTHLYITI
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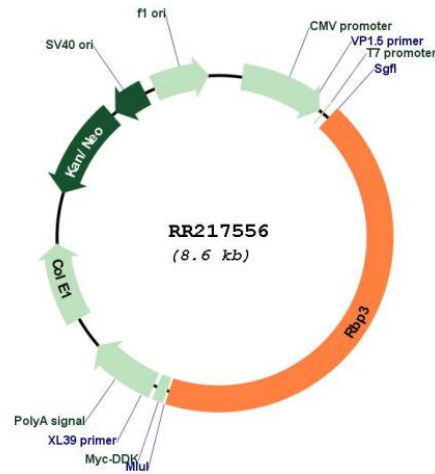
TRTRPLEQKLISEEDLAANDILDYKDDDDK

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001191832

ORF Size: 3702 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_001191832.1](#), [NP_001178761.1](#)

RefSeq Size: 3777 bp

RefSeq ORF: 3705 bp

Locus ID: 24711

Cytogenetics: 16p16

MW: 134.7 kDa

Gene Summary: may play a role in vision [RGD, Feb 2006]