

Product datasheet for **MC201638**

Rbks (NM_153196) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbks (NM_153196) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rbks
Synonyms: 5230400M11Rik; AI326806; RBSK; RK
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC023339 sequence for NM_153196
GGATTAGTAATGGCGCGTGTGGGGAGCCCGGGAGGCCCTGGCAGGAGGAGGAGGCAGCAGCGGTGGTAG
TGGTGGGTTCCCTGCATGACCGACCTGGTCAGTCTTACTTCTCGCTTGCCAAAACTGGAGAAACCATCCA
TGGACATGAGTTTTTTATTGGCTTTGGAGGAAAAGGTGCCAACCAAGTGTGTCCAAGCTGCGCGACTGGGA
GCAAAGGCGGCCATAGTCTGCAAGGTTGCAACGATTCTTTTGGCAATGATTACATAGAAAACTTAAAC
AAAATCATATTTCTACAGAGTTTACATATCAGACCAGAGATGCAGCTACAGGAACAGCCTCCATAATTGT
CAATAATGAAGGCCAGAAATATCATCGTCATAGTGGCTGGAGCAAATCTGTTTTTGAATTCTGAAGACTTG
AAGAAGGCAGCCAGTGTCAATTAGCCGAGCCAAAGTGATGATATGCCAGCTAGAAAATAGCCCGGCAGCTT
CTCTGGAAGCTCTGACAATGGCCCGCAGGAGTGGAGTGAAAACCTTGTTCAACCCAGCTCCAGCCATGGC
TGACCTGGACCCCGAGTCTATACCCTCTCCAGTATTTTCTGCTGCAACGAGAGCGAGGCTGAGATTTTA
ACAGGCCACGCAGTGAGTGACCCACCACGGCTGGGAAGGCTGCAATGATTCTCCTAGAACGGGGCTGCC
AGGTTGTGGTCATCACCTTAGGGGCTTCAGGATGCGTGATACTGTACAGGCTGAGCCTGTTCCAAAGCA
CATTCCCCTGAAGCTGTCAAGGCTGTAGACACCACGGGTGCTGGTGACAGTTTTGTGGGAGCGCTGGCC
TTCTACCTGGCTTACTACCCAAATCTGTCTTGGAAAGAAATGCTCAAGAGATCCAATTTTCATCGCTGCAG
TCAGTGTACAGGCCACGGGAACACAGTCTCTTATCCATACAAAAAGACCTCCCTCTTGCTCTATTTTG
ACTACTGCTAACCCCAAATAAATAACAATCTGGAAAGTAAATGCAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_153196

Insert Size: 972 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).



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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:	<ol style="list-style-type: none">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:	<u>BC023339</u> , <u>AAH23339</u>
RefSeq Size:	1047 bp
RefSeq ORF:	972 bp
Locus ID:	71336
UniProt ID:	<u>Q8R1Q9</u>
Cytogenetics:	5 B1
Gene Summary:	Catalyzes the phosphorylation of ribose at O-5 in a reaction requiring ATP and magnesium. The resulting D-ribose-5-phosphate can then be used either for sythesis of nucleotides, histidine, and tryptophan, or as a component of the pentose phosphate pathway. [UniProtKB/Swiss-Prot Function]