

## Product datasheet for **RR217492**

### Polr3b (NM\_001191878) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Polr3b (NM\_001191878) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Polr3b  
**Synonyms:** RGD1565311  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR217492 representing NM\_001191878  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGTGCTAGCTGAGGAGTTCGGGAGCCTGACTCCGGAGGAGCTGGCTGCGCCGATCCCGACTGTGG  
AGGAAAAATGGAGGCTGCTTCCAGCATTTTTAAAGGTAAGGCTGAAACAGCACATCGACTCCTT  
TAACATTTTCATTAATGTAGAGATAAAGAAGATAATGAAAGCCAACGAAAAGTTACAAGCGATGCTGAT  
CCCATGTGGTACTTAAAGTATCTTAATATCTATGTTGGACTTCCTGACGTCGAAGAAAGCTTCAATGTAA  
CTAGACCAAGTGTCCCTCATGAGTGCCGCTGCGGGACATGACGTAATCCGCCCCATCACCGTGGACAT  
CGAGTATACCCGAGGCAGCCAGAGGATAATCCGCAATGCCTTACCATTGGCAGAATGCCATCATGCTC  
CGAAGTTCAAACTGTGTTCTGACAGGAAAACTCCAGCAGAGTTTGC AAACTCAACGAGTGTCCATTAG  
ACCCAGGTGGCTACTTCATCGTTAAAGGAGTGGAGAAAGTCACTTATCCAGGAGCAGCTGTCCAAGAA  
CAGGATCATTGTGGAGGCAGACAGGAAGGGGCTGTTGGGGCTCAGTTACCAGCTCCACCCACGAGAAA  
AAAAGTAGAACCAACATGGCGGTGAAACAAGGGCGCTTTTATCTGAGGCATAACACCCTGTCTGAAGATA  
TACCCATTGTCATCATATTCAAGGCCATGGGTGTTGAGAGTGACCAGGAAATTGTGCAGATGATTGGAAC  
GGAGGAGCACGTGATGGCTGCGTTTGGGCCAGCCTGGAGGAGTGCCAGAAAGCTCAGATCTTACCCAG  
ATGCAGGCGTTGAAGTATATAGGAATAAAGTAAGAAGACAAAGAATGTGGGGAGGTGGACCAAAGAAGA  
CCAAAATAGAAGAAGCAAGAGAATTCTGGCCTTACCATTCTGACCCATGTACCAGTTAAGGAATTCAA  
TTTCCGAGCTAAGTGTATCTACACGGCAGTGATGGTGCGAAGGGTGTCTTGGCCCAAGGAGATAACAAG  
GTCGATGACAGAGACTATTACGGCAACAAGCGACTGGAGCTGGCAGGCCAGCTCTTGTCTCTTCTTTTTG  
AAGATTTGTTAAAAAGTTAATTCAGAAATGAAGAAGATTGCAGACCAAGTGATTCTTAAACAAAGAGC  
AGCCAGTTTGACGTCGTGAAACACATGCGCCAAGACCAGATTACCAATGGCATGGTCAATGCCATCTCC  
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GGTTTGGTTAAGAACTTGGCCCTCATGACACATATAACAACCGACATGGAAGATGGACCCATTATTAAGT



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TAGCTGGGAAGCTGGGAGTAGAAGATGTGAATTTATTATGTGGAGAAGAGCTCTTACCCAAATGTATT  
 CCTTGTCTTCTGAATGGTAACATCCTGGGTGTCATTCGAGACCATAAAAAGCTTGTGAGCACGTTCCGG  
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 ACATTTCTCTGATGGCGGGCGCTTGTGACGGCCTTACATCATTGTCAAGAAACAGAAGCCCGCAGTTAC  
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 TCCCATCGAGAATGACGGTTGGAAGTTGATTGAGTTGCTGGCCGGAAGGCAGGCGTGTAGACGGCAG  
 GTTCCACTACGGCACCGCCTTTGGAGGGAGTAAAGTGAAGGACGTGTGTGAAGACCTCGTTGCCATGGT  
 TACAACACTGGGGAAGGACTATGTCACTCGGCATCACCGGTGAGCCCTTAGAAGCCTACATCTATT  
 TTGGCCCTGTGTACTATCAGAACTGAAACACATGGTGTGATAAAATGCATGCCCGGGCCAGAGGACC  
 ACGAGCTGTCTTACCAGGCAGCCACTGAAGGGCGATCTCGCGATGGCGCCTCGCTTGGAGAAATG  
 GAGCGTGACTGTTAATTGGCTATGGAGCGAGTATGCTTTTGTGGAGAGACTAATGATCTCAAGTGATG  
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 CTCGTGCCACGTGCTCCTCCCTCCGCATCCCATATGCCTGCAAGCTGCTCTCCAGGAGTGCAGTCCATG  
 AACATCATCCCCAGGTTGAAACTGGCCAAGTACAACGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR217492 representing NM\_001191878  
 Red=Cloning site Green=Tags(s)

MDVLAEEFGLS LPEELAAPIPTVEEKWRLLPAFLKVKGLVKQHIDSFNYFINVEIKKIMKANEKVTSDAD  
 PMWYLKYLNIYVGLPDVEESFNVTRPVPSPHECRLRDMTYSAPITVDIEYTRGSQRIIRNALPIGRMPIML  
 RSSNCVLTKGTPAEFAKLNCEPLDPGGYFIVKGVKLVILIQEQLSKNRIIVEADRKGAVGASVTSSTHEK  
 KSRTNMAVKQGRFYLRHNTLSEDIPIVIFKAMGVEESDQEVQMIQTEEHVMAAFGPSLEECQAQIFFTQ  
 MQALKYIGNKVRQRQMWGGGPKTKIEEARELLASTILTHVPVKEFNFRACIYTAVMVRRVILAQGDNK  
 VDDRDYYGNKRELAGQLLSLLFEDLFKFNSEMKKIADQVIPKQRAAQFDVVKHMRQDQITNGMVNAIS  
 TGNWSLKRFRKMDRQVTVLQVLSRSLSYISALGMMTRISSQFEKTRKVSQPRSLQPSQWMLCPSDTPGEAC  
 GLVKNLALMTHITDMDGPIIKLAGNLGVEDVNLCCGEELSYPNVFLVFLNGNIGLVIRDHKKLVSTFR  
 LMRRAGYINEFVSI STNLTDRCVYISSDGGRLCRPYIIVKKQKPAVTNKHMEELAQGYRNFEDFLHESLV  
 EYLDVNEENDCNIALYEHTINKDTHLEIEPFTLLGVCAGLIPYPHHNQSPRNTYQCAMGKQAMGTIGYN  
 QRNRIDTLMYLLAYPQKPMVKTKTIELIDFEKLPAGQNAIVAVMSYSGYDIEDALVLNKASLDRGFGRCL  
 VYKNAKCTLKRYTNQTFDKVMGPMLDAATRKPWRHEILDADGICSPGEKVENKQVLVNSMPTVTQIPL  
 EGSNVPQPQYKDVPIITYKGATDSYIEKVMISSNAEDAFLIKMLLRQTRRPEIGDKFSSRHGQKGVCGLI  
 VPQEDMPFCDSGICPDIIMNPHGFPSRMTVGKLIELLAGKAGVLDGRFHYGTAFGGSKVKDVCEDLVRHG  
 YNYLGKDYVTSGITGEPLAAYIYFQPVYQKLVKHMVLDKMHARARGPRAVLTRQPTEGRSRDGGLRLGEM  
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 NIIPRLKLAKYNE

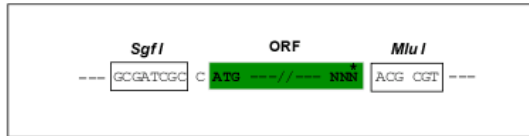
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

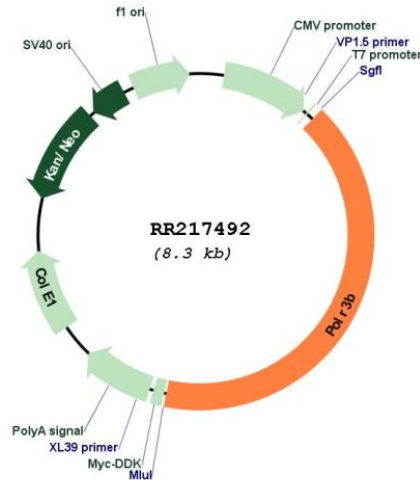
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_001191878

ORF Size: 3399 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\\_001191878.1](#), [NP\\_001178807.1](#)

RefSeq Size: 4132 bp

RefSeq ORF: 3402 bp

Locus ID: 362858

Cytogenetics: 7q13

MW: 127.7 kDa