

## Product datasheet for **RR205417**

### Eprs (NM\_001024238) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eprs (NM\_001024238) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Eprs  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR205417 representing NM\_001024238  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGCGGCGCTGTGCCTTACGGTGAACGCCGAAACCCTCCACTGGGTTGTGCGAGTTAAAGTGAACAAGA  
 GAAATAAATCCTTCATGTTGTCATTTTTAGAAGCTCTGCTGGCAGTGGAGCATGTGAAAGGTGATGTCAG  
 CATTTCGTGGAAGAAGGAAGGAGAATCTTCTCGGGTTCTGAGAGTGTGGTGTTCAGTACACAAAT  
 TCAATCCTGCGCTACTTGGCTAGAGTTGCAGCTACATCTGGGCTGTACGGTTCTAACCTGATGGAGCACA  
 CGGAGATTGATCATTGGTTGGAGTTCAGCGCTACAAAGTTGTCTTCGTGTGATGTGCTGACTTCGGCAAT  
 CAAGGAGCTTAACCATTGCCTGTCTCTGAGAACATACCTGGTTGGAACTCTTTGACTTTAGCAGATTTA  
 TGTGTTTGGGCCACCCTAAAAGGAAATGCTGCATGTCAGGAGCACTTGAGACAGAGCAAAACCCTAGTCC  
 ACGTTAACCGCTGGTATGGCTTCTTGAAGCCAGCAGGCCTCCGTTCCAGTTGGTACCAAGTGGGATGC  
 TTCAGCAAACAAGCTACAGGGCACCTGACAGAAAACAAGATATTGGGAAATTCGTCGAGCTTCCGGGT  
 GCAGAGATGGGAAAGGTGACAGTCAGATTCCCCCAGAGGCTAGTGGTACTTACACATTGGGCATGCAA  
 AGGCTGCTTCTGAACCAGCACTACCAGTTAACTTTAAAGGCAAAGTATCATGAGATTTGATGACAC  
 AAACCCAGAAAAGGAAAAGGAAGATTTTGAAGGTCATCTTGAAGATGTTGCAATGCTGCACATTA  
 CCAGATCAGTTTACTTACACTTCAGATCATTTTAAAATAATGAAGTATGCAGAGAAATTAATTGAAG  
 AAGGGAAGGCCTATGTGGACGACTCCCGCAGACGAGATGAAGGCGGAGCCTGTTGAGAAGAATCTACA  
 AATGTGGGAAGAAATGAAAAGAGGAAGCCAGTTTGGTCAGTCCTGTTGCCTGCGAGCAAAAATTGACATG  
 AGTAGTAAACAATGGGTGTATGAGGGACCAACCCTTACCCTGCAAAAATCCAGCCCCACCAAGAACTG  
 GGAATAAATAACAATGTTTACCAACGTATGACTTTGCCTGTCTATAGTGGACAGCATTGAAGGTGTTAC  
 TCATGCCCTTGAGGACGACAGAGTACCACGACCGAGATGAGCAGTTTTACTGGATTATTGAAGCCTTAGGC  
 ATAAGGAAACCATACATCTGGGAATACAGTCGCTTAAATCTCAACAACACAGTGTGCAAGAGAAGC  
 TTACGTGGTTTGTCAATGAAGGACTGGGCTCTCAAGGTCTGTTGTAAACATGGAATGGGACAAAATCTG  
 GGCGTTTAAACAAAAGGTTATTGACCCTGTGGCTCCAAGGTACGTTGCATTGCTGAAGAAGGAGGTGATC  
 CCAGTGAACATCCTGGACGCGCAGGAGGAGATGAAGGAAGTAGCCAGACATCCCAAGAATCCTGATGTTG  
 GTTTGAAGCCTGTGGTATAGTCCAAGGTTTTCATAGAAGGAGCTGATGCAGAGACTTCTCAGAGGG  
 TGAATGGTCACATTTATAAACTGGGGCAACATCAACATTACTAAAATACACAAAATCCAGATGGAAAA



[View online »](#)

ATTACATCTCTGGATGCAAAATTGAATTTGAAAAACAAAGACTACAAGAAAACTAAGATCACTTGGC  
TTGCGGAGACCACACAGGCTCTCCCTGTCCCGCAGTCTGTGTCCTTATGAGCACTTGATTACAAAGCC  
AGTGCTAGGAAAAGACGAGGACTTCAAGCAGTACGTCAACAAAGACAGTAAGCATGAAGAATAATGCTA  
GGAGATCCCTGCCTTAAGGATTTGAAGAAAAGGAGACATCATACAATTGCAGAGGCGCGGATTCTTCAT  
GCGACCAGCCGTACGAACCTGTACAGCCATATAGTTGCAAAGAAGCCCTGCATCTTGATATATATACC  
CGATGGGCACACCAAGGAGATGCCAACATCTGGATCAAAGGAAAAGACTAAAGTGAAATCTCAAAAAAG  
GAGACCCGGCTCTGCTCCTAAGGAGAGACCCGACGCTGCTGTGAGTGTCCCTGTGCTGAGGAGCACC  
CTGCCATCCTCTACAGCAGAGTGGCGGTCCAGGGTGATGCGGTTGCGGACCTGAAAGCGAAGAAAGCACC  
AAAGGAGGATATTGACGCAGCTGTGAAACAGCTTTTACTTTGAAAGGCTGAGTATAAAGAGAAAAGTGGG  
CAGGAGTATAGACCTGGGAACCCCTACTGCAGCAGTGCAGACTGTTTCTACAAAGTCCCATCCAACA  
CCGGGGAATACACATCTTATACAATAAAGTTGCTGCCAAGGGGAGCTGGTCCGGAAGCTGAAAGCTGA  
AAAGGCTCCTAAGGCTAAAATAATGATGCTGTAGAATGCTTACTGTCCCTGAAAGCTGAGTATAAAGAA  
AAAAGTGGGAAGGAGTATGTACCTGGCCAACTCCAGCATCTCAGAACTCACATTCAAGTCTGTACGCA  
ATGCCAAGCCTGTTGGATCAGAGACACCGGAAGCCAACTGCTGTTTACAGAGTGGCTTGTCAAGGAGA  
AGTAGTTCGAAACTTAAAGCTGAGAAGCCTCTAAGGATCAAGTGGATTAGCCGTACAAGAACTTCTT  
CAGCTGAAAGCAGTACAAGTCACTGACAGGAATTGAGTATAAGCCTGTGTCTGCTACTGGGCGAGAAG  
ACAAAGATAAGAAGAAGAAAAGAAAAGAAAATAAGTCTGAAAAGCAGAATAAGCCTCAGAAAACAAATGA  
TGGCAAGGGAAAGACTCTTCTAAAAGCCAAGGCAGCGGGCTGTGCTCCGGTGGAGCAGGAGAAGGGCAA  
GGGCCCAAGAAACAGACCAGATTGGGTCTTGAAGCAAAAAGAAAGAAAATCTTGCCGAATGGTATTCCC  
AAGTCATCACGAAGTCAAGATGATCGAATACTACGATGTGAGTGGTGTCTATATTTCCGACCCTGGTC  
GTACTCCATCTGGGAATCCATTAAGGACTTCTTACGCGGAGATCAAGAAGCTCGGCGTTGAGAAGTGC  
TACTTCCCATAATTCGTGTCCAGGGCGCACTAGAGAAGGAGAAGAACCACATTGCTGACTTTGCTCCCG  
AGTTGCTTGGGTGACAAGATCTGAAAAGACAGAGCTGGCAGAGCCGATTGCCATCCGCTACTACTGTA  
AACAGTAATGTATCCTGCATATGCAAAAATGGGTGCACTCCACAGAGACCTGCCCATCAGGCTCAACCAG  
TGGTGCAACGTGGTGGCTGGGAGTTCAAACACCCACAACCTTTCTCCGCACTCGGGAGTTCCTATGGC  
AGGAGGGGCACAGCGCTTTGCCACCTTTGAGGAGGCAGCTGACGAGGTGTACAGATCCTCGAGTTATA  
TGCTCGAGTGTATGAGGAGCTTTGGCAATCCCGCTGAGAGGAAGGAAGACTGAGAAGGAAAAGTTT  
GCAGGAGGAGACTATAACAACCACACTAGAAGCCTTCATATCTGCCAGCGGACGCGCTATCCAGGGAGCAA  
CATCACACCATTTAGGCCAGAATTTCTCCAAAATGTGTGAAATAGTTTTTGAAGATCCCAAGACACCAGG  
AGAAAAGCAGTTTGCATACCAGTGTCTGGGGCCTGACAACCTCGCACTATCGGTGTGATGATCATGGTC  
CATGGGGACAACATGGGCTTAGTGTTACCTCCCGTGTAGCGTCTGTCCAGGTGGTGTGATCCTCCCTGTG  
GAATCACGAATACCTTGTCTGAAGAAGACAGAGAGGCCCTGATGGCAAAATGCAATGAGTACAGGAGACG  
GCTGCTCGGCGCTGACATCCGAGCTCGAGTCGATCTACGAGACAACCTACTCACCAGGCTGGAAGTCAAC  
CACTGGGAGCTCAAGGTGTTCCAGTCAAGTGTGAGGTGGGGCCACGTGATATGAAGAGCTGTGAGTTT  
TAGCAGTCAAGCAGACTACTGGAGAGAAGCTGACAATTGCTGAAAAGGAGGCGGAGTCTAAACTGAAAGG  
GGTTTTGGAAGACATCCAGCTTAACCTTTTACAAGGGCTTCTGAAGACCTTAAATCTCACATGGTTGTA  
TCGGATACACTGGAAGACTTTGAGAAGGTGCTAGATTCTGGGAAGGTTGCACAGATTCCATTCTGTGGG  
AAATTGACTGTGAGGACTGGATCAAAAAGACAACGCCAGGGATCAGGATGTGGAACCTGGTGTCCATC  
CATGGGAGCCAAAAGCCTTTGCATTCCTTTCAACCCTCTGTGTGAGCTGCAGCCAGGAGCCATGTGTGTC  
TGTGGCAAGAATCCTGCCAAGTTCTACACCTTGTGGTGGGAGTTAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RR205417 representing NM\_001024238  
 Red=Cloning site Green=Tags(s)

MAALCLTVNAGNPPLGCRVKVNKRKNSFMLSFLLEALLAVEHVKGDVSI SVEEGKENLLRVSESVVFTDTN  
 SILRYLARVAATSGLYGNLMEHTEIDHWLEFSATKLS SCDVL TSAIKELNHCLSLR TYLVGNSLTLADL  
 CVWATLKGNAACQEHLRQSKTLVHVNRWYGFLEAQQAFRSVGTKW D ASANKATGAPDRKQDIGKFVELPG  
 AEMGKVTVRFPPEASGYLHIGHAKAALLNQHYQVNFKGKLI MRFD D TNPEKEKEDEFKVILEDVAMLHIK  
 PDQFTYTSDFETIMKYAEKLIIEEGKAYVDDTPADEMKAEPVEKNLQMWEE MKRGSQFGQSCCLRAKIDM  
 SSNNGCMRPTLYRCKIQHPRTGNKYNVYPTYDFACPIVDSIEGVTHALRTTEYHDRDEQFYWIEALG  
 IRKPYIWEYSRLN LNNTVL SKRKL TWVNEGLGSSRSVVM EWDKI WAFNKKVIDPVAPRYVALLKKEVI  
 PVNILD AQEEMKEVARHPKNPDVGLKPVWYSPKVFIEGADAETFSE GEMVTFINWGNINITKIHKNPDGK  
 ITSLDAKLNLENKDYKTKITWLAETTQALPVP AVCVTEHLITKPVLGKDEDFKQYVVKDSKHEELML  
 GDPCLKDLKKGDI IQLQRRGFFICDQPYEPVSPYSCKEAPCILIYIPDGHTKEMPTSGSKEKTKVEISKK  
 ETGSAPKERPAAAVSAPCAA AEDAAILYSRVAVQGD A VRDLKAKKAPKEDIDA AVKQLLTLKAEYKEKTG  
 QEYRPGNPPTAAVQTVSTKSPSNTGEYTSLYNKVAAQ GELVRKLAEKAPKAKINDAVECLLSLKAEYKE  
 KTGKEYVPGQLPASQNSHSPVSNAPV GSETPEAKLLFDRVACQGEVVRKLAEKASKDQVDSAVQELL  
 QLKAQYKSLTGIEYKPV SATGAEDKDKKKKEKENKSEKQNK PQKQNDGQK DSSKSGGLSSGGAGEGQ  
 GPKKQTRLGLEAKKEENLA EWYSQVITKSEMIEYDVSGC YILRPWSYSIWESI KDFDAEIKKLGVENC  
 YFPIFVSQGALEKEKNHIADFAPEVAWVTRSGKTELAEP IAI RPTSETVMYPAYAKWVQSHRDLPIRLNQ  
 WCNVVRWEFKHPQPLRTREFLWQEGHSAFATFEEA ADEVLQILEL YARVYEELLAIPVVRGRKTEKEKF  
 AGDYTTLEAFISASGRAIQGATSHHLGQNF SKMCEIVFEDPKTPGEKQFAYQCSWGLTTRTIGVMIMV  
 HGDNMLVLP RRVASVQVVVIPC GITNTLSEEDREALMAKCN EYRRRL LGADIRARVDLRDNYSPGWKFN  
 HWELKGVVRLV EGVPRDMKSCQFVAVRRDTGEKLTIAEKEAESK LKGVLEDIQLNLFTRASEDLKSHMVV  
 SDTLEDFQKVLDSGKVAQIPFCGEIDCEDWIKKTTARDQDVEPGAPSMGAKSLCIPFNPLCELQPGAMCV  
 CGKNPAKFYTLFGRSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

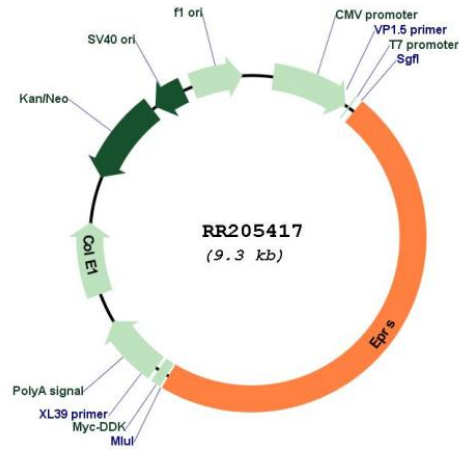
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001024238

ORF Size: 4458 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\\_001024238.1](#), [NP\\_001019409.1](#)

**RefSeq Size:** 4461 bp

**RefSeq ORF:** 4461 bp

**Locus ID:** 289352

**Cytogenetics:** 13q26

**MW:** 166.8 kDa