

## Product datasheet for **RR214306**

### **Pou6f2 (NM\_001101002) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pou6f2 (NM_001101002) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pou6f2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR214306 representing NM\_001101002  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATAGCTGGACAAGTCAGTAAGCCCTTGCTGTGCTGAGTGGAGTGAATGAATGCGGAGTTGAGAGGTG  
 AGGACAAGGCTGCTACTTCAGACAGCGAGCTGAATGAGCCCTGCTTGCGCCCGTGAATCAAATGACAG  
 CGAGGACACTCCAGCAAGCTCTTCGGGGCCAGAGGAAACACAGTCCTACCAGAACCAGGAATCCTGAC  
 CAGCACCAGGCCAGTCAGACCCATCCCTCCTTTCCAGTTGGACCACAGCCTCTTCTAACGGCACAGCAGT  
 TAGCCTCTGCTGTGGCCGGGTGATGCCGGGAGGCCCCAGCCCTCAATCAGCCTATCCTCATCCCTT  
 CAACATGGCGGGACAACAGGTGGTCAGCAAGGCCTGGTCTCACACTGCCACCAGCAATCTCACAAAC  
 ATCCAAGGCTGGTAGCGGCAGCTGCAGCTGGAGGCATTATGACTCTGCCATTGCAAAATTTACAAGCTA  
 CCTCATCCCTGAACCTCCAGCTGCAACAGCTCCAGCAACTCCAGCTCCAGCAGCAACAGCAGCAGCAACA  
 ACCACCTCTCCACCAACCAGCCAGCACCCACAGCCAGCCTCACAGGCGCCGCACAGTCTCAGCAGCCG  
 CAGTCCCAGCCACCCCGCTCACCAGCCACCCTGCTTACAGCAGTTCAGCAGCTGCCAGCTGCCAGCTCAGC  
 TGCCCGAGGCTACTCAGCCTCAACAGCATCAACCTCATTCCCATCCCCAGAACCAGAACCAGTCGTCTCC  
 AACCCAGCAGAGCTCAAGCCCCCTCAGAAACCCACCCATCTCCAGGAGGACATAGCCTTCCGTACCA  
 CTCACACCCGCTAACCTCTACAGATTATTGGGACCATTCCACTGATGCCTAACCCAGGGCCATCGAGTC  
 AAGCAGCAAGTGGCACTCAGGGCCTTCAAGTACAGCCTATCACACCCAGCTCCTAACCAATGCCAGGG  
 CCAATCATTGCCACGGTCATCGAAACAGATCTTGCCTGTGATCAATACCCAGGGTATTACCTGTCC  
 CCCATCAAGCCAGGCCAGCAGCTTACCAATCTTCCAGACATCAGTTGGTCAAGCAGGCACCCAAAGGCA  
 ACCTCTGCACCTGGCTCATGGCCAAGCATCCACCTCTCAAAGTCCGGTGGCAGAGCTTCTCTCTCTC  
 CTCTTCATCCTCCTCTTCTTCCAGCTTTGAGCGTGGGCCAGTTAGTCAGCACTTACAGAATGCATTACTAC  
 TTGACAGTGCCTTTGGAGCTGTTAAATGGCAGCATAGAGTGCAGAAGGGAACAGAGTTTTGGAATACAG  
 ACTCCTCTTATGTGCTGACTGTGGGCCCTCAAATAGAGCGACCCATCCTTTTGCAAGAAACTTGAC  
 CGGCACTACGGTGCCCAAGATATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR214306 representing NM\_001101002  
 Red=Cloning site Green=Tags(s)

MIAGQVSKPLLSVRSEMNAELRGEDKAATSDSELNEPLLAPVESNDSSEDTPSKLFGARGNTVLPPEGTPD  
 QHQASQTHPSFPVGPQPLLTAQQLASAVAGVMPGGPPALNQPIIPFNMAGQLGGQQGLVLTLPANLTN  
 IQGLVAAAAGGIMTLPLQNLQATSSLNSQLQLLQLLQOQQQQQPPPPPTSQHPQPASQAPASQSQP  
 QSQPTPPHQPPASQQLPAAPAQLPQATPQHQPHSHPNQNSPTQQSSSPPQKPTSPGGHSLPSP  
 LTPPNPLQIIGTIPLMPNPGPSSQAASGTQGLVQVPIPTQLLTNAQGQIIATVIGNQILPVINTQGITLS  
 PIKPGQQLHQSSQTSVGQAGTQGNLLHLAHGQASTSQSPVRQASSSSSSSSSSSALSVGQLVSTYRMHY  
 LTVPLELFWQHRVQKGTQEFWNTDSSSCADTVGSPNRATHPFARNLTGTTVPQDI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001101002

**ORF Size:** 1425 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\\_001101002.1](#), [NP\\_001094472.1](#)

**RefSeq Size:** 2445 bp

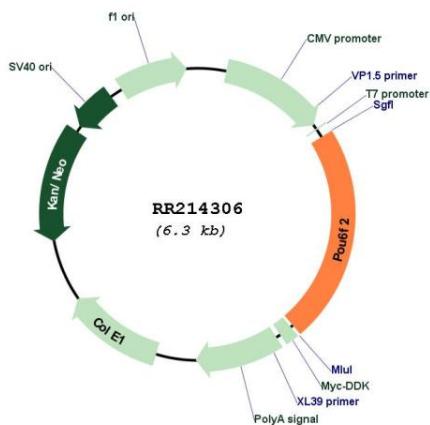
**RefSeq ORF:** 1428 bp

**Locus ID:** 681092

**Cytogenetics:** 17q11

**MW:** 49.7 kDa

Product images:



Circular map for RR214306