

## Product datasheet for **RR216615**

### Preb (NM\_001170708) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Preb (NM\_001170708) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Preb  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR216615 representing NM\_001170708  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCCGGCGCCGGGTGTGGAGCTGTACCGGGCCCGTTCCCGTTGTACGCGCTTCGGATAGACCCCA  
 AGACTGGACTGCTCATCGCTGCGGGCGGAGGAGCTGCCAAGACCGGCATAAAGAATGGCGTGCATTT  
 TCTGCAGCTAGAGCAGATCAGCGGGTGCCTGAGCGCCTCCTTGCCTGACTCTCATGACACGGAGACAAGG  
 GCCACTATGAATTTGGCGCTGGCTGGTGACATCCTTGCTGCTGGACAGGATGCCAGTGTCAGTCTCTTC  
 GTTCCAGATCCATCAACAGAAGGGCAGTAAAGCAGAGAAGTCAGGTTCCAAGGAGCAGGGGCTCGGCA  
 GAGGAAGGGGGCAGCTCCAGCAGAGAAGAAATCGGGAGCGGAAGTTCACCCGGAAGGGGTTGAGCTCAAA  
 GTAAAGAATTTGGAGGCAGTACAGACAGACTTCAGCACTGAACCGCTGCAGAAAGTTGTGTGCTTCAACC  
 ATGATAACACCCTGCTTGCCACCGGAGGATCTGACGGTCATGTTTCGTGTCTGGAAGGTACCTAGCCTAGA  
 GAAAGTTCTGGAGTTTAAAGCCACGAAGGGGAGATTGGAGATTTGGCTTTGGGTCCTGATGGCAAGTTG  
 GTTACTGTGGGCTGGGACTTTAAGGCCTCCGTGTGGCAGAAGGATCAACTGGTGACACAGCTACAGTGGC  
 AAGAGAATGGACCCACCTCTTAAACACACCGTACCGCTACCAGGCCTGCAGGTTTGGGCAGGTTCCAGA  
 TCAGCCTGGTGGGCTGCGACTCTTACAGTGCAGATACCCACAAGCGCCTACGACAGCCCCACCTGCTC  
 TACCTCACAGCCTGGGACAGTTCACCTTCTTGCCTCTTACAGACCAGGTCCTGTGGCCATGAAGTCAATT  
 CCTGCCTCACTGTGAGTGAATCGGGTACCTTCTAGGCCTAGGCACGGTCACTGGCTGTGCGCCATCTA  
 CATAGCTTTCTCTCCAGCGCCTGATATGTGAAGGAGGCCATGGCATTGTGGTGACAGATGTGACC  
 TTTCTACCTGAGAAGGGTTGCGGTCAAAGCTCCTTGGGCCCCATGAAACGGCCCTGTTCTGTGGCTG  
 TGGATAGTCGTTGCCAGTTGCACCTGCTGCCCTCACGTCGGAGTGTCCCGTATGGCTCCTGCTCCTGCT  
 ATGTGTTGGCCTATTATCGTGACCATCCTGCTGCTCCAGAGTGCCTTCCCGGGTTCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216615 representing NM\_001170708  
 Red=Cloning site Green=Tags(s)

MGRRRGVELYRAPFPLYALRIDPKTGLLIAAGGGGAAKTGIKNGVHFLQLEQISGCLSASLLHSHDTETR  
 ATMNLALAGDILAAGQDAQCLLRFAQIHQQKGSKAEKSGSKEQGPRQRKGAAPAEKKSAGEVHPEGVELK  
 VKNLEAVQTDFFSTEPLQKVVCFNHDNTLLATGSDGHVRVWVPSLEKVLFEKAHEGEIGDLALGPDGKL  
 VTVGWDFKASVWQKDQLVTQLWQENGPSSNTPYRYQACRFGQVPDQPGGLRFLTVQIPHKRLRQPPPC  
 YLTAWDSSTFLPLQTRSCGHEVISCLTVSESGTFLGLGTVTGSAVIYIAFSLQRLYYVKEAHGIVVTDVT  
 FLPEKGGCPKLLGPHETALFSVAVDSRCQLHLLPSRRSVPVWLLLLLVCGLIIVTILLLLQSAFPGFL

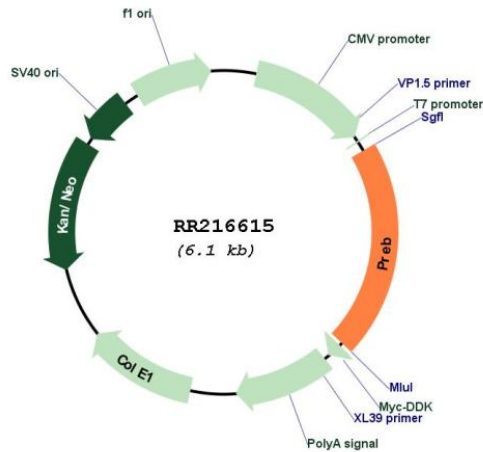
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001170708

<b>ORF Size:</b>	1251 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001170708.1</a> , <a href="#">NP_001164179.1</a>
<b>RefSeq Size:</b>	2024 bp
<b>RefSeq ORF:</b>	1254 bp
<b>Locus ID:</b>	58842
<b>UniProt ID:</b>	<a href="#">Q9WTV0</a>
<b>Cytogenetics:</b>	6q14
<b>MW:</b>	45.4 kDa
<b>Gene Summary:</b>	WD-repeat containing regulatory transcription factor; may mediate gene transcription in the pituitary and in other organs [RGD, Feb 2006]