

## Product datasheet for **MR209377**

### **Prlr (NM\_011169) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Prlr (NM_011169) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prlr
Synonyms:	AI987712; Pr-1; Pr-3; Prlr-rs1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR209377 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCATCTGCACCTTGTACATGCTGCTTGCTCCTCAGCATCAGCCTCCTGAATGGACAGTCACCACCTG  
 GAAAACCTGAAATCCACAAATGTCGTTCCCTGACAAGGAAACATTCACCTGCTGGTGGAAATCCTGGGTC  
 AGATGGAGGACTCCCAACCAATTATTCATTGACATACAGCAAAGAAGGAGAGAAAAACCTATGAATGT  
 CCAGACTACAAAACAGTGGCCCAATTCTGTTCTTTAGCAAGCAGTACACTTCCATATGAAAAATAT  
 ACATCATCACAGTAAATGCCACGAACGAAATGGGAAGCAGTACCTCGGATCCACTTTATGTGGATGTGAC  
 TTACATTTGTTGAACCAGAGCCTCCTCGAACCTGACTTTAGAAGTGAAACAATAAAAGACAAAAAACA  
 TATCTGTGGGTAATGGTTGCCACCTACCATAACTGATGTAATAACTGGTTGGTTTACAATGGAATATG  
 AAATTCGATTAAGTCTGAAGAAGCAGATGAGTGGGAGATCCACTTACAGGTCATCAAACACAATTTAA  
 GGTTTTTGACTTATATCCAGGACAAAAGTATCTTGTCCAGACTCGCTGCAAGCCAGACCATGGATACTGG  
 AGTAGATGGGGCCAGGAGAAATCTATTGAAATACCAAATGACTTACCTTGAAAGACACAACCTGTGTGGA  
 TCATTGTGGCCGTTCTCTCTGCTGTCATCTGTTTGATTATGGTCTGGGCAGTGGCTTTGAAGGGTTATAG  
 CATGATGACCTGCATCTTCCACCAAGTCCGGGGCCAAAAATAAAAGGATTTGATACTCATCTGCTAGAG  
 AAGGGCAAGTCTGAAGAAGTCTGAGTGCCTTGGGGTGCCAAGACTTTCCCCCACTTCTGACTGTGAGG  
 ACTTGTCTGGTGGAGTTCTTGAAGTGGATGACAATGAGGACGAGCGGCTAATGCCATCCCATTCCAAAGA  
 GTATCCGGTCAAGGTGTTAAACCCACACACCTAGATCCTGACAGTACTCTGGTATGGAAGCTATGAC  
 AGCCATTTCTTTTGTCTGAAAAGTGTGAGGAGCCCCAGGCCATCCCCCTGCCTCCACATCCCTGAGA  
 TCACTGAGAAGCCAGAGAATCCTGAGGCAATATTCCTCCACCCCAAATCCCCAAAATAACACCCCCAA  
 TTGTCATACAGATACATCCAAATCTACAACATGGCCTTTACCACCTGGCCAACACACGCGCAGATCTCCT  
 TACCACAGCATTGCCGATGTGTGCAAGCTAGCTGGAAGTCTGGAGATACACTGGACTCTTCTTGAGACA  
 AAGCAGAGGAAAAATGTTCTAAAGTTGTCTGAAGATGCTGGAGAGGAAGAAGTGGCTGTGCAAGAAGGGC  
 CAAAAGCTTCCCTTCTGACAAACAAAGCACATCTTGCCACCCTCCAGGAGAAAGGCCCCATTGTCTAT  
 GCTAAACCCCAAGATTACGTGGAGATTCACAAAGTCAACAAGACGGAGTGTATCATTACTCCCAAGC  
 AGAGAGAAAACACCAGACAGAAAACCTGGGGTCTCTGAAACAGTAAGGAGTATGCCAAGGTATCTGG  
 GGTACGGATAACAACATCCTGGTGTAGTGCCAGACTCAGAGCCAGAACACAGCTTTGCTTGAGGAA  
 TCAGCCAAGAAGTTCCACCATCGCTTGAACAGAACCAATCTGAGAAAGTCTGGCCAGCTTTACTGCAA  
 CCTCAAGCAACTGCAGACTCCAACCTGGGAGGCTGGATTACCTGGATCCTACGTGCTTCATGCACCTCT  
 TCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR209377 protein sequence  
 Red=Cloning site Green=Tags(s)

MPSALAYMLLVLSISLLNGQSPGKPEIHKCRSPDKETFTCWNP GSDGGLPTNYSLTYSKEGEKNTYEC  
 PDYKTS GPNSCFFSKQYTSIWKIYIITVNATNEMGSSTSDPLYVDVTYIIVEPEPPRNL TLEVKQLKDKKT  
 YLWVKWLPPTITDVKTGWFTMEYEIRL KSEEAEWEIHF TGHQTQFKVFDLYPGQKYL VQTRCKPDHGYW  
 SRWGQEKSEIEIPNDFTLKDTT VWIIVAVL SAVICLIMVVAVALKGYSMMTCIFPPVPGPKIKGFDTHLLE  
 KGKSEELL SALGCQDFPPTSDCEDLL VEFLEVDNEDERLMP SHSKEYPGQGVKPTHLDPDSDSGHGSYD  
 SHSLLSEKCEEPQAYPPAFHIPEITEK PENPEANIPPTPNPQNNTPNCHTDT SKSTTWPLPPGQHTRRSP  
 YHSIADVCKLAGSPGDTLDSFLDKAEENVLKL SEDAGEEEVAVQEGAKSFP SDKQSTSWPPLQEKGP IYV  
 AKPPDYVEIHKVNKDGVL SLLPKQRENHQ TENPGVPETSKEYAKVSGVTDNNILVLVPDSRAQNTALLEE  
 SAKKVPSPSLEQNQSEKDLASFTATSSNCRLQLGRLDYLDPTCFMHSFH

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_011169

ORF Size: 1827 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\\_011169.4](#)

RefSeq Size: 10328 bp

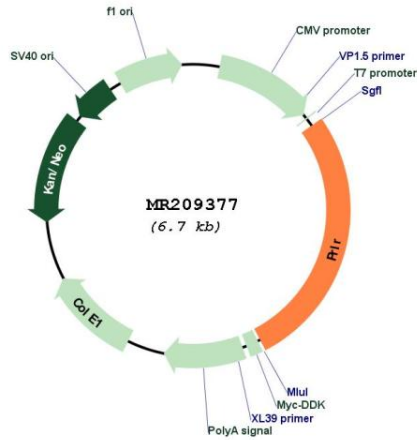
RefSeq ORF: 1827 bp

Locus ID: 19116

UniProt ID: [Q08501](#)

**Cytogenetics:** 15 5.23 cM  
**MW:** 68.2 kDa  
**Gene Summary:** This is a receptor for the anterior pituitary hormone prolactin.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209377