

Product datasheet for **MG209377**

Prlr (NM_011169) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prlr (NM_011169) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prlr
Synonyms:	AI987712; Pr-1; Pr-3; Prlr-rs1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209377 representing NM_011169
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCATCTGCACCTTGTACATGCTGCTTGTCTCAGCATCAGCCTCCTGAATGGACAGTCACCACCTG
 GAAAACCTGAAATCCACAAATGTCGTTCCCTGACAAGGAAACATTCACCTGCTGGTGAATCCTGGGTC
 AGATGGAGGACTCCCAACCAATTATTCATTGACATACAGCAAAGAAGGAGAGAAAAACCTATGAATGT
 CCAGACTACAAAACAGTGGCCCAATTCTGTTCTTTAGCAAGCAGTACACTTCCATATGAAAAATAT
 ACATCATCACAGTAAATGCCACGAACGAAATGGGAAGCAGTACCTCGGATCCACTTTATGTGGATGTGAC
 TTACATTTGTTGAACCAGAGCCTCCTCGAACCTGACTTTAGAAGTGAAACAATAAAAGACAAAAAACA
 TATCTGTGGGTAATGGTTGCCACCTACCATACTGATGTAATAACTGGTTGGTTACAATGGAATATG
 AAATTCGATTAAGTCTGAAGAAGCAGATGAGTGGGAGATCCACTTACAGGTCATCAAACACAATTTAA
 GGTTTTTGACTTATATCCAGGACAAAAGTATCTTGTCCAGACTCGCTGCAAGCCAGACCATGGATACTGG
 AGTAGATGGGGCCAGGAGAAATCTATTGAAATACCAAATGACTTACCTTGAAAGACACAACCTGTGTGGA
 TCATTGTGGCCGTTCTCTCTGCTGTCATCTGTTTGATTATGGTCTGGGCAGTGGCTTTGAAGGGTTATAG
 CATGATGACCTGCATCTTCCACCAGTTCGGGGCCAAAAATAAAAGGATTTGATACTCATCTGCTAGAG
 AAGGGCAAGTCTGAAGAAGTCTGAGTGCCTTGGGGTGCCAAGACTTCCCCCACTTCTGACTGTGAGG
 ACTTGTCTGGTGGAGTCTTGAAGTGGATGACAATGAGGACGAGCGGCTAATGCCATCCCATTCCAAAGA
 GTATCCGGGTCAAGGTGTTAAACCCACACACCTAGATCCTGACAGTACTCTGGTATGGAAGCTATGAC
 AGCCATTTCTTTTGTCTGAAAAGTGTGAGGAGCCCAAGGCTACCCCTGCCTCCACATCCCTGAGA
 TCACTGAGAAGCCAGAGAATCCTGAGGCAAATATTCCTCCACCCAAATCCCAAAAATAACACCCCAA
 TTGTCATACAGATACATCCAAATCTACAACATGGCCTTTACCACCTGGCCAACACACGCGCAGATCTCCT
 TACCACAGCATTGCCGATGTGTGCAAGCTAGCTGGAAGTCTGGAGATACACTGGACTCTTCTTGACAA
 AAGCAGAGGAAAAATGTTCTAAAGTTGTCTGAAGATGCTGGAGAGGAAGAAGTGGCTGTGCAAGAAGGGGC
 CAAAAGCTTCCCTTCTGACAAACAAAGCACATCTTGCCACCCTCCAGGAGAAAGGCCCAATTGTCTAT
 GCTAAACCCCAAGATTACGTGGAGATTCACAAAGTCAACAAGACGGAGTGTATCATTACTCCCAAGC
 AGAGAGAAAACACCAGACAGAAAACCTGGGGTCTCTGAAACAGTAAGGAGTATGCCAAGGATCTGG
 GGTACGGATAACAACATCCTGGTGTAGTGCCAGACTCAGGAGCCAGAACACAGCTTTGCTTGAGGAA
 TCAGCCAAGAAGTTCCACCATCGCTTGAACAGAACCAATCTGAGAAAGATCTGGCCAGCTTACTGCAA
 CCTCAAGCAACTGCAGACTCCAACCTGGCAGGCTGGATTACCTGGATCCTACGTGCTTCATGCACCTCTT
 TCAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209377 representing NM_011169
 Red=Cloning site Green=Tags(s)

MPSALAYMLLVLSISLLNGQSPGKPEIHKCRSPDKETFTCWNNPGSDGGLPTNYSLTYSKEGEKNTYEC
 PDYKTSFPNSCFFSKQYTSIWKIYIITVNATNEMGSSTSDPLYVDVYIIVEPEPPRNLTEVKQLKDKKT
 YLWVKWLPPTITDVKTGWFTMEYEIRLKSEEADEWEIHFTHGHTQFKVFDLYPGQKYLVTQTRCKPDHGYW
 SRWQEKSEIEIPNDFTLKDTTWWIIVAVLSAVICLIMVWAVALKGYSMTCIFPPVPGPKIKGFDTHLLE
 KGKSEELL SALGCQDFPPTSDCEDLLVEFLEVDNEDERLMPSHSKEYPGQGVKPTHLPDSDSGHGSYD
 SHSLLSEKCEEPQAYPPAFHIPEITEKPENPEANIPPTPNPQNNTPNCHTDTSKSTTWPLPPGQHTRRSP
 YHSIADVCKLAGSPGDTLDSFLDKAEENVLKLSEDAEEEEVAVQEGAKSFPSPDKQSTSWPPLQEKGPVY
 AKPPDYVEIHKVNKDGVL SLLPKQRENHQTENPGVPETSKEYAKVSGVTDNNILVLVPSRAQNTALLEE
 SAKKVPSPSLEQNQSEKDLASFTATSSNCRQLQGRLDYLDPTCFMHSFH

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_011169

ORF Size: 1824 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: 2306 bp

RefSeq ORF: 1827 bp

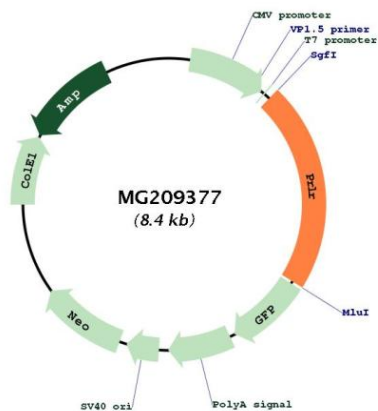
Locus ID: 19116

UniProt ID: [Q08501](#)

Cytogenetics: 15 5.23 cM

Gene Summary: This is a receptor for the anterior pituitary hormone prolactin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG209377