

Product datasheet for **RR200491**

PrIr (NM_001034111) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PrIr (NM_001034111) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PrIr
Synonyms:	RATPRLR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200491 representing NM_001034111
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCATCTGCACCTTGTCTTCGCTACTTGTCTCAACATCAGCCTCCTGAAGGGACAGTCAACCACG
 GGAACCTGAGATCCACAAATGTCGCTCCTCGCAAGGAAACATTCACCTGCTGGTGAATCCTGGGAC
 AGATGGAGGACTTCTACCAATTATTCAGTACTTACAGCAAAGAAGGAGAGAAAACCACCTACGAATGT
 CCAGACTACAAAACAGTGGCCCAACTCTGCTTCTTTAGCAAGCAGTACACTTCCATCTGGAAAAAT
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 GAGGAATCAGCCAAGAAGGCTCCACCATCGTTTGAAGCTGACCAATCTGAGAAAGATCTGGCCAGCTTCA
 CTGCAACCTCAAGCAACCGCAGACTCCAACCTGGTAGGCTGGATTACCTGGATCCTACGTGCTTCATGCA
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

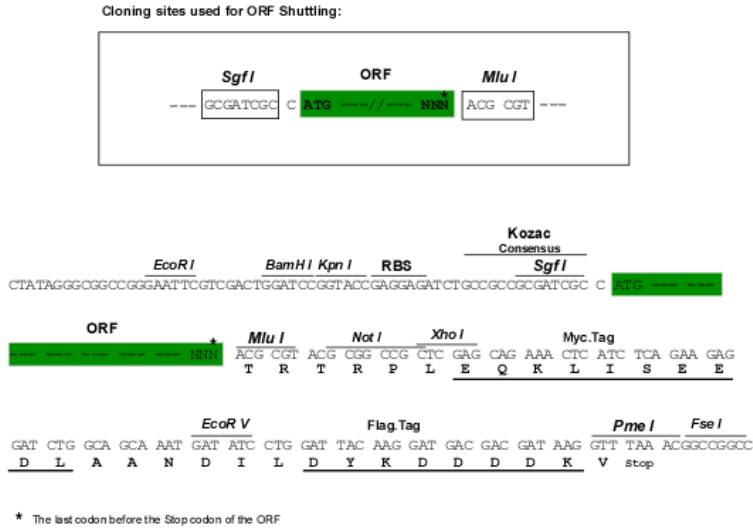
>RR200491 representing NM_001034111
 Red=Cloning site Green=Tags(s)

MPSALAFVLLVLNISLLKQSPGKPEIHKCRSPDKETFTCWNPNGTDGGLPTNYSLTYSKEGKTTYEC
 PDYKTSGPNSCFFSKQYTSIWKIYIITVNATNQMGSSSDPLVYDVTYIVEPEPPRNLTLVQKQKDKKT
 YLWVKWSPPTITDVKTGWFTMEYEIRLKPEEAEEWEIHFTHGHTQFKVFDLYPGQKYLVTQTRCKPDHGYW
 SRWSQESSVEMPNDFTLKDTTWWIIVAILSAVICLIMVVAVALKGYSMMTCIFPPVPGPKIKGFDTHLLE
 KGKSEELL SALGCQDFPPTSDCEDLLVEFLEVDNEDERLMPSHSKEYPGQGVKPTHLDPDSDSGHGSYD
 SHSLLSEKCEEPQAYPPTLHIPEITEKPENPEANIPPTVDPQSTNPNFHVDPKSSWPLLPQGHMPRSP
 YHSVADVCKLAGSPVNTLDSFLDKAEENVLKL SKALETGEEVAKQKGAKSFPSPDKQNTWPPLLQEKSP
 VYVKPPDYVEIHKVKNKDVLSLFPKQRENNQTEKPGVPETSKEYAKVSGIMDNNILVLPDSRAQNTALL
 EESAKKAPPSFEADQSEKDLASFATSSNRRLLQLGRLDYLDPTCFMHSFH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001034111

ORF Size: 1830 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_001034111.1](#), [NP_001029283.1](#)

RefSeq Size: 2132 bp

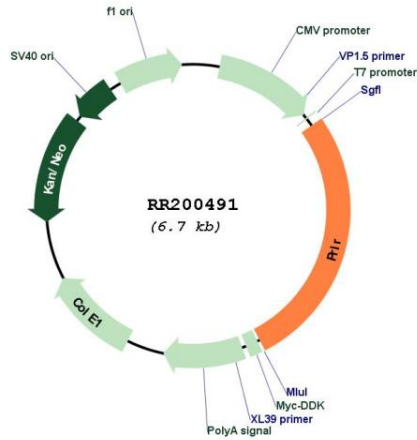
RefSeq ORF: 1833 bp

Locus ID: 24684

UniProt ID: [P05710](#)

Cytogenetics: 2q16
MW: 68.6 kDa
Gene Summary: This is a receptor for the anterior pituitary hormone prolactin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR200491