

Product datasheet for **RR200490**

PrIr (NM_012630) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PrIr (NM_012630) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: PrIr
Synonyms: RATPRLR
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200490 representing NM_012630
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCATCTGCACCTTGTCTTCGCTACTTGTCTCAACATCAGCCTCCTGAAGGGACAGTCACCACCAG
GGAAACCTGAGATCCACAAATGTCGCTCCTGACAAGGAAACATTCACCTGCTGGTGAATCCTGGGAC
AGATGGAGGACTTCTACCAATTATTCAGTACTTACAGCAAAGAAGGAGAGAAAACCACCTACGAATGT
CCAGACTACAAAACAGTGGCCCAACTCTGCTTCTTTAGCAAGCAGTACACTTCCATCTGGAAAATAT
ATATCATCACAGTAAATGCCACGAACCAATGGGAAGCAGTTCCTCGGATCCACTTTATGTGGATGTGAC
TTACATCGTTGAGCCAGAGCCTCCTCGGAACCTGACATTAGAAGTAAAACAGCTAAAAGACAAAAACA
TATCTGTGGTAAAAATGGTCCCCACCACATAACTGATGTGAAAACCTGGTTGGTTTACAATGGAATATG
AAATTCGATTAAGCCTGAAGAAGCAGAAGAGTGGGAGATCCATTTTACAGGTCATCAAACACAGTTTAA
AGTTTTTGACCTATATCCAGGGCAAAGTATCTGTCCAGACTCGCTGCAAGCCAGACCATGGATACTGG
AGTAGATGGAGCCAGGAGAGTTCGGTTGAAATGCCAAATGACTTCACCTTGAAGGACACAACCGTGTGGA
TCATTGTGGCCATTCTCTGCTGTCTGTTGATTATGGTCTGGGCAGTGGCTTTGAAGGGCTATAG
CATGATGACCTGCATCTTCCACAGTTCCTGGGCCAAAAATAAAGGATTTGATACCCATCTGCTGGAG
ACTGGTCTCCAAGCAAATACAAGTGGATCTGTACCTGGCCCTTCTGGAGATTCCAGAACTGGACA
ATGCAGGGAACTTGACTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200490 representing NM_012630
Red=Cloning site Green=Tags(s)

MPSALAFVLLVLNLSLLKQGSPPGKPEIHKCRSPDKETFTCWWNPGTDGGLPTNYSLTSYKEGEKTTYEC
 PDYKTS GPNSCFFSKQYTSIWKIYIITVNATNQMGSSSDPLYVDVTYIIVEPPRNLTLVVKQLKDKKT
 YLWVKWSPPTITDVKTGWFTMEYEIRLKPEEAEWEIHF TGHQTQFKVFDLYPGQKYL VQTRCKPDHGYW
 SRWSQESSVEMPNDFTLKDTT VVIIVAILS AVICLIMVVAVALKGYSMMTCIFPPVPGPKIKGFDTHLLE
 TGSPSKYKVDLYLALPGGFQKLDNAGELDY

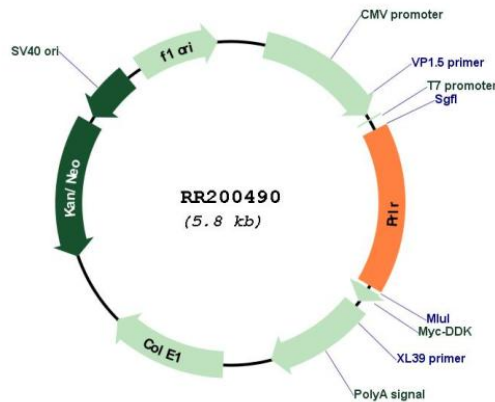
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012630

ORF Size: 930 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:	<ol style="list-style-type: none">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_012630.2 , NP_036762.1
RefSeq Size:	1633 bp
RefSeq ORF:	933 bp
Locus ID:	24684
UniProt ID:	P05710
Cytogenetics:	2q16
MW:	35.4 kDa
Gene Summary:	This is a receptor for the anterior pituitary hormone prolactin.[UniProtKB/Swiss-Prot Function]