

Product datasheet for MR216535

Paqr6 (NM_198410) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Paqr6 (NM_198410) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Paqr6
Synonyms:	1500001B10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216535 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCAGTCTCAAGATGCCTCAACTCCTTCGAGTCCATCAGGTCCCCGGGTGTTTTGGGAAGAAGGCA
TCATGTCTGGCTACCGATGCCCCACAAGCTCTGCCTTAGACTGTGTTCTCAGCTCCTCCAGATGACTAA
TGAGACGGTCAACATCTGGACTCACTTCTGCCACCTGGTACTTCTGTGGCGCCTCTGGCGTTAGGC
AGCCCGGGCTTTCGCGCGGACCCATACCACCTACCGCTGCTGGTCTTCTACTGCCCGCCTGCCTCTATC
CCTTCGCATCCTGCTGTGCGCACACCTTTAGCTCCATGTCGCCTCGTGCCTCACATCTGCTACTTCTCT
GGACTACGGGGCGCTCAGCCTCTACAGCCTGGGCTGCGCCTTCCCTATGCCGCCTACTCCATGCCGGCC
TCCTGGCTGCACAGCCGCTACACCAGCTTTCGTGCCGCTGCTGCGCTCAACTCTTCTGTGCACCG
GCCTCTCTGCTACTCGCGGTTCCAGAGCTAGAATACCCGGGTTACAGCAAGGCTCTCCGCACGGCTGC
CTTTGCCACCCCTTCTGTTTGACAACCTCCCACTGTTCTACAGGCTGCGGCTGTGTTGGGGCGGGGCC
CACAGCTGTGGGCGGACGCGCTGAGCTCCAACCATGGTTACCACCTCCTCTGCGCTGCTCTCAGGCT
TCCTTTTGCAGCCCGTCTACCAGAGCGCCTGGCACCTGGGCGCTTCGACTATATTGGCCACAGCCACCA
GCTGTTCCATATCTGTGCCGTGCTGGGCACCCACTTCCAGCTGGAAGCGGTGCTGGCTGATATGGGATCC
CGCAGACCTGGCTGGCCGTGCAGGAGCCACCCTGGGCTGCGGGCCACTGTAGCCACCTTGAGCCTGG
CAGTGATTGGGAACCTGTTTATCATTGCTGCTTTCACGGCTCCTTGCTGCGGATGCCTGGACCCTGCC
CCTGCTGCAGGGTAGCCCACTGGAAGAGGGACTCCAAGCTAAACAACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216535 protein sequence
Red=Cloning site Green=Tags(s)

MLSLKMPQLLRVHQVPRVFWEEGIMSGYRCPTSSALDCVLSFFQMTNETVNIWTHFLPTWYFLWRLALG
 SPGFRADPYHLPLLVFLLPACLYPFASCCAHTFSSMSPRARHICYFLDYGALSLYSLGCAFPYAAYSMPA
 SWLHSRLHQLFVPAALNSFLCTGLSCYSRFPPELEYPGFSKALRTAAFAYPFLFDNLPFYRLRLCWGGA
 HSCGRDALSSNHGYHLLCALLSGFLFAARLPERLAPGRFDYIGHSHQLFHICAVLGTHTFQLEAVLADMGS
 RRAWLAVQEPTLGLGATVATLSLAVIGNLFIIAAFTASLLRMPGPCPLLQGSPLLEGLQAKQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_198410

ORF Size: 1032 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_198410.3](#), [NP_940802.1](#)

RefSeq Size: 1689 bp

RefSeq ORF: 1032 bp

Locus ID: 68957

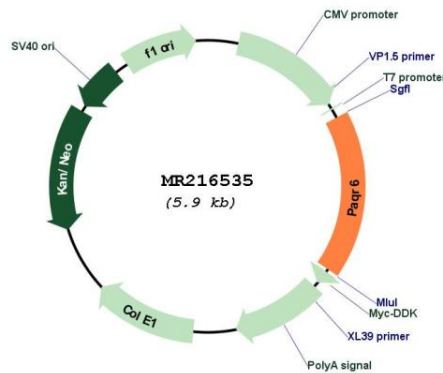
UniProt ID: [Q6TCG5](#)

Cytogenetics: 3 F1

MW: 38.2 kDa

Gene Summary: Plasma membrane progesterone (P4) receptor coupled to G proteins. Seems to act through a G(s) mediated pathway. Involved in neurosteroid inhibition of apoptosis. May be involved in regulating rapid P4 signaling in the nervous system. Also binds dehydroepiandrosterone (DHEA), pregnanolone, pregnenolone and allopregnanolone.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216535