

Product datasheet for **RR214795**

Ptges2 (NM_001107832) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptges2 (NM_001107832) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptges2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214795 representing NM_001107832 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGGCAGCGCGGTTGCGTGGGTGCTTGCTCTAGCCGGTGCGCCCTGTGAGAGGGGCTGCTCA
CACGACCTGGACACAACCTCTCGGCACAGAGCCGGGCGGGCTTACCAGGGCGGCAGCGGAAACCGGGG
CGCCTCGATCCGCAAGGGGAGCCCGGTTGCTGGGGTGGCGCGCTGGCCCTGGGCGGCGCTCTGGG
CTGTACCACACTGTGCGGTGGCACCTGCGCTCCAGGACCTCCACGCCGAGCGCTCGGCTGTGACAGTGT
CCCTGTCCAACCGCCTGCAGCTGACCCGTACCAGTACAAGACATGTCCCTTCTGCAGCAAAGTCCGTGC
CTTCTCGACTTCCACTCCCTGCCCTATCAGGTGGTAGAGGTGAATCCCGTGAGAAGGACCAGATTAAA
TTCTCCTCCTACAGGAAGGTACCCATCCTGGTGGCCAGGAAGGAGACAGCTTGAACAGCTCAATGACT
CCTCAGTCATCATTAGTGCCCTCAAGACCTACCTGGTTTCAGGGCAGCCCTGGAAGAGATCATCACTTA
TTACCCACCCATGAAGGCCATGAATGATCAGGGCAAGGAGTAACCGAGTTCGGCAACAAGTACTGGCTC
ATGCTGGACCAGAAGGAGGCCAGCAGATGTATGGCGAAAGGAAGCCAGGACGGAGGAGATGAAGTGGC
GGCAGTGGGCGGATGACTGGCTGGTGCATCTCATCTCCCAACGTGTACCGAACACCTGCCGAGGCCCT
GGCTTCCCTCGACTATATTGTCGTGAGGGCAAGTTTGGGGCTGTGGAGGCCACCATGGCCAAGTACGTG
GGCGCAGCTGCCATGTACTTCATCAGCAAGCGCCTCAAAGCAGGCACCCTGCAGGATGATGTCCGGG
TAGACCTCTATGAAGCAGCAACAAGTGGGTGACAGCCGTGGGCAAGACCGGCCATTATGGGGGGTCA
GAAGCCTAACCTTGTGACCTGGCAGTGTATGGTGTGCTGCGAGTGTGAGGGTCTGGAAGCCTTTGAC
GACCTGATGCGACTCACATCCAGCCTTGGTACCTGCGGATGGAGCGGGCCATCAAAGAAGCCTCTT
CAATGCACTGTATGCACCCTAATTGCAAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214795 representing NM_001107832
 Red=Cloning site Green=Tags(s)

MAQAARVAWVLGSSRCALSEGLLTRPWTQLSAQSRAGFTRAAAGNRGASIRKGGSPRLLGVAALALGGALG
 LYHTVRWHLRSQDLHAERSAVQLSLSNRLQLTL YQYKTCPFCSKVRAFLDFHSLPYQVVEVNPVRRTEIK
 FSSYRKVPILVAQEGDSLQQLNDSSVII SALKTYLVSGQPLEEIIITYPPMKAMNDQKVEFEGNKYWL
 MLDQKEAQMYGKKEARTEEMKWRQWADDWL VHLI SPNVYRTPAEALASFYIIVREGKFGAVEATMAKYV
 GAAAMYFISKRLKSRHHLQDDVVRVDLYEAANKWVTAVGKDRPFMGGQKPNLADLAVYGVLRVMEGLEAFD
 DLMRHSHIQPWYLRMERAIKEASSMHCMHPNCKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001107832

ORF Size: 1152 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_001107832.1](#), [NP_001101302.1](#)

RefSeq Size: 2044 bp

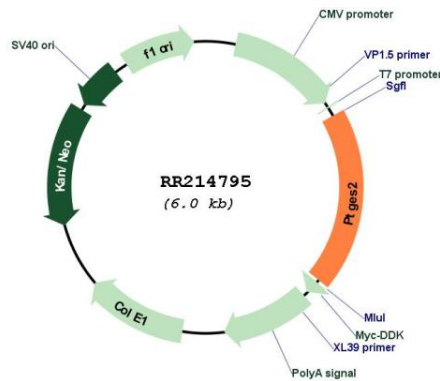
RefSeq ORF: 1155 bp

Locus ID: 311865

Cytogenetics: 3p12

MW: 43.5 kDa

Product images:



Circular map for RR214795