

Product datasheet for **RR206688**

Ptgr1 (NM_138863) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptgr1 (NM_138863) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptgr1
Synonyms:	Dig1; Ltb4dh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206688 representing NM_138863 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTACAAGCTAAGACCTGGACCCTAAGAAGCACTTTGAAGGCTTCCCTACGGACAGTAACTTTGAGT
TGAGGACGACTGAGCTCCACCCTTAAATAATGGAGAGGTCCTGCTGGAAGCCCTGTTCCCTCCGTGGA
CCCTTACATGAGAGTTGCAGCAAAAACTGAAGGAGGGCGACAGCATGATGGGTGAACAAGTGGCCAGA
GTTGTGGAAAGTAAAACTCAGCCTTCCAACGGGAACGATTGTTGTGGCTTTATTAGGTTGGACATCAC
ATTCCATTTCTGATGGGAATGGACTGAGAAAGCTACCTGCAGAGTGGCCTGACAAGCTACCACTGTCTTT
GGCTTTGGGGACAGTTGGCATGCCAGGCCTCACTGCCTACTTTGGCCTGCTTGACATCTGTGGCTTGAAG
GGTGGAGAAACAGTGTGGTCAATGCGGCAGCCGGGCTGTGGGCTCTGTTGTGGGGCAGATAGCTAAGC
TCAAGGGCTGCAAAGTTGTTGGTACAGCCGGTCTGATGAAAAGTTGCCTATCTTAAGAAGCTTGATT
CGATGTGGCCTTAACTACAAGACAGTAAAGTCATTGGAAGAAGCTTTGAGGACAGCCTCCAGATGGT
TATGATTGCTACTTTGATAATGTCGGTGGAGAGTTTTCAAACACTGTTATACTGCAGATGAAGACGTTTG
GAAGAATTGCCATCTGTGGCCATCTCTCAATAACAACCGCACTGGCCATGTCCCCAGGCCATCTCC
AGAGGTCATTATCTATCAGCAACTCCGCATGGAGGGTTTCATCGTTACTCGGTGGCAAGGAGAAGTCCGC
CAGAAGGCTCTGACAGACTTGATGAATTGGGTTTCAGAGGGTAAGATCCGGTATCATGAATACATCACTG
AAGGATTTGAGAAGATGCCCGCAGCGTTTATGGGAATGTTGAAAGGAGACAATCTGGGAAGACTATAGT
GAAAGCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR206688 representing NM_138863
Red=Cloning site Green=Tags(s)

MVQAKTWTLKKHFEGFPTDSNFELRTTELPLNNGEVLLEALFLSVPYMRVAAKLLKEGDSMMGEQVAR
 VVESKNSAFPTGTIVVALLGWTSHSISDGNLRLKPLPAEWPDKLPLSLALGTVGMPGLTAYFGLLDICGLK
 GGETVLVNAAGAVGSSVQIAKLGCKVVGTAAGSDEKVAYLKKLGFDFVAFNYKTVKSLEEARLTASPDG
 YDCYFDNVGGEFSNTVILQMKTFGRGIAICGAISQYNRTGPCPPGPSPEVIYQQLRMEGFI VTRWQGEVR
 QKALTDLMNWVSEGKIRYHEYITEGF EKMPAAF MGMLKGDNLGKTIVKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

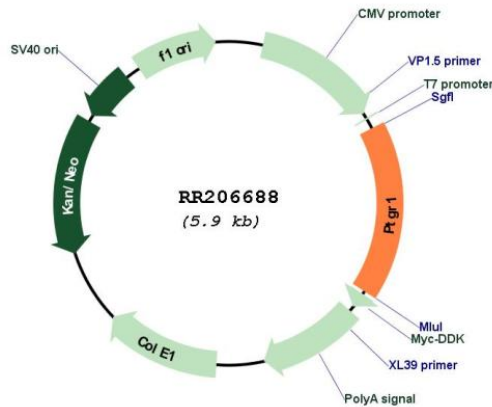
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_138863

ORF Size: 987 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_138863.2 , NP_620218.1
RefSeq Size:	1162 bp
RefSeq ORF:	990 bp
Locus ID:	192227
UniProt ID:	P97584
Cytogenetics:	5q24
MW:	35.7 kDa
Gene Summary:	may play a role in inhibition of chemically induced tumorigenesis [RGD, Feb 2006]