

Product datasheet for **RR207800**

Gem (NM_001106637) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gem (NM_001106637) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gem
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207800 representing NM_001106637
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTCTGAATAACGTACCATGCGCCAAGGCACTGTGGCATGCAGCCACAGCAACGCTGGAGCATCC
CTGCTGATGGCAGGCATCTGATGGTCCAGAAGGATCCCCACCCCTGCAACCCCAACAACCACCCTCCAC
TGCTCCCGATGACCACTGCCGGCGGAGCTGGTCCTCCGAGTCCACAGACTCGGTTATCTCTTCCGAGTCA
GGAAACACCTACTACCGAGTGGTCTTATTGGGGAGCAAGGAGTGGGCAAGTCCACCCTGGCCAACATCT
TTGCAGGTGTACATGACAGCATGGACAGCGACTGTGAGGTCTTGGGAGAAGATACATATGAGCGTACCCT
GGTCGTTGATGGAGAGAGTGCAACCATTATCCTACTGGACATGTGGGAAAATAAGGGGGAGAATGAATGG
CTCCACGACCACTGCATGCAGGTCGGGACGCCTACCTGATCGTCTACTCCATCACAGACCGGGCGAGCT
TTGAGAAGGCGTCTGAGCTGAGGATCCAGCTCCGACGGGCCCGCAGACAGAAGACATTCCTATAATTTT
GGTTGGCAACAAAAGCGACTTAGTGCAGTGTGAGAAAGTGTCTGTGTGAGAAGGGAGAGCTTGTGCCGTG
GTGTTGACTGCAAATTCATCGAGACCTCTGCAGCCGTGCAGCACACGTGAAGGAACTGTTTGAGGGCA
TTGTGCGGCAGGTCCTGCTGCGTCCGGACAGCAAGGAAAAGAACGAGAGGAGGCTGGCCTACCAGAAGAG
CGGGGAGAGTATCCCCAGGAAAGCCAGACGCTTCTGGGGCAAAATGTAGCCAAAAACAACAAGAATG
GCTTTCAAGCTCAAGTCAAAATCCTGCCATGACCTGTCTGTGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR207800 representing NM_001106637
 Red=Cloning site Green=Tags(s)

MTLNNVTMRQGTVGMQPQRWSIPADGRHLMVQKDPHPCPNHHHSTAPDDHCRRSWSSESTDSVISES
 GNTYYRVVLIGEQVGVKSTLANIFAGVHDSMDSCEVLGEDTYERTLVVDGESATIIILDMWENKGENEW
 LHDHCMQVGDAYLIVYSITDRASFEEKASELRIQLRRARQTEDIPIILVGNKSDLVRCREVSVSEGRACAV
 VFDCKFIETSAAVQHNKELFEGIVRQVRLRRDSKEKNERRLAYQKRRESIPRKARRFWGKIVAKNNKNM
 AFKLKSKSCHDLSVL

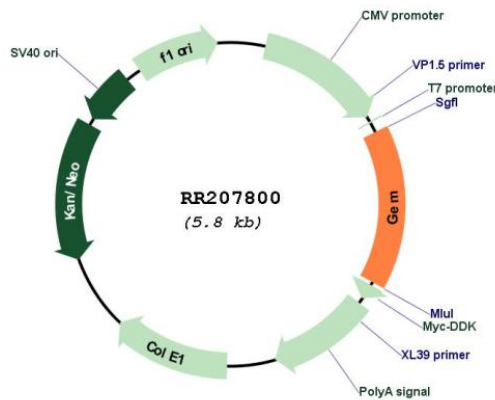
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106637

ORF Size:	885 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_001106637.1 , NP_001100107.1
RefSeq Size:	2093 bp
RefSeq ORF:	888 bp
Locus ID:	297902
Cytogenetics:	5q13
MW:	33.6 kDa