

Product datasheet for **RN205505**

G4 (NM_001003975) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G4 (NM_001003975) Rat Untagged Clone
Tag:	Tag Free
Symbol:	G4
Synonyms:	MGC124525
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205505 representing NM_001003975 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTTCTTCGACGGCTTGGTGGCTGGCTGCCGCGACCTTGGGGTCGAAAGAAATCAACAAAGACTGACT
 TGCCTGCCCCAGAACCCAGATGGGTGGACAGCTCCCGGAGAACTCAGGGAGTGACTGGGACAGTGCTCC
 AGAGACCATGGGAGATGTGGACCTCTGAAGACCAAGGATTCAGGAACACGGAGGCCCCCCAGGCTGCT
 CCAGAGTCTAGCAGGGACACCAGAGTGTATCAGCTGGGGAGTAAAGAATGGATTCCCTCAAGAAGGACA
 AGGCTGCTTCTGCCATTCAAGAGTCTGCAAGACTGGAGACTGGAGAGCCGTTCCAAACTGGACTTGGA
 TCCTGTGGATTACAGTGGCATGAAGAACCTTGGAGTGTCCCCCAAGGGAGGTTAGGCACCACTGGGCCA
 GAAGCCCTACTGGAGAAACCTGGTCGACGTCAGAAGCTGTACGGTGGCTCCGGGGGGAACCAAGGGGCTC
 CCTCACATTACCTGCAGGACCCAGAGGAGTATCTGCAGATCTCTACCAACTTGACCCTGCACCTGCTGGA
 GCTGCTTGCCCTCAGCCTTGCTGGCTCTGTGCTCGAGGCCACTCCGAGCCATCTTGATGCTTTGGGCCTT
 CGGGGACCTGTGGGCCTCTGGCTACACGGGCTACTGTGTTTCTGGCTGCCCTACACGGGCTCCATGCTG
 TGCTGAGCCTGCTTACTGCCACCCCTGCATTTTGCCTGCTCTTGGTCTGTTGCAGGCCCTAGTGCT
 GGCTGTGAGCCTCCGGGAACCTGTTGAGGATGAGGAGACCGCTGACTGGGAGAGTGAGGGGCAGGGGAAG
 GAGGCCAAGGAGCAGACAGAAGGTCCAGGAAGGCGTT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001003975
Insert Size:	882 bp


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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001003975.3</u> , <u>NP_001003975.1</u>
RefSeq Size:	1994 bp
RefSeq ORF:	882 bp
Locus ID:	406868
UniProt ID:	<u>Q6MG51</u>
Cytogenetics:	20p12
Gene Summary:	predicted gene deduced from the genomic sequence of the major histocompatibility complex (MHC); function unknown [RGD, Feb 2006]