

Product datasheet for **RR209669**

GmDs (NM_001039606) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GmDs (NM_001039606) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: GmDs
Synonyms: MGC125154
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209669 representing NM_001039606
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCCACGCTCCCGCTAGCTGCCGGAGATACCCGGGCTCCGGGGATGGCGAGATGGGCAAGCTCAGGA
 AGGTAGCTCTCATCACCAGCATCACTGGCCAGGATGGTTCATACTTGGCAGAATTCCTGCTGGAGAAAGG
 ATACGAGGTCCATGGAATAGTACGGCGATCTAGTTCATTTAATACAGGTGCAATTGAACATTTATATAAG
 AATCCTCAGGCTCATATTGAAGGAAACATGAAGTTGCACTATGGCGACCTGACTGACAGCACCTGCCTGG
 TGAATAATCATCAATGAAGTGAAGCCTACAGAGATCTACAATCTTGGCGCTCAGAGCCATGTCAAGATCTC
 CTTTGACTTAGCTGAATACACCGCAGACGTTGATGGAGTTGGCACCTTGGCGCTTCTGGATGCAATTA
 ACTTGGCGCCTTATAAATCTGTGAAGTTCTACCAGGCCTCGACAAGTGAACCTTTATGAAAAAGTTCAGG
 AAATACCCAGAAAGAGACCACCTTTCTATCCGAGGTCAACCTATGGAGCCGCAAGCTCTATGCCTA
 TTGGATTGTGGTGAATTTCCGTGAAGCTTATAATCTCTTTCAGTGAATGGCATTCTCTCAATCACGAG
 AGCCCCAGAAGAGGAGCTAATTTTGTACTCGAAAAATTAGCCGGTCAGTAGCTAAGATTTACCTTGGAC
 AACTGGAATGTTTCAGTTTGGAAATCTGGATGCCAACGAGACTGGGGCCATGCCAAGGACTATGTAGA
 GGCTATGTGGCTGATTTGCAAAATGATGAGCCGGAGGACTTTGTCATAGCTACTGGGGAAGTTTACAGT
 GTCCGTGAATTTGTTGAAAAATCATTATGCACATTGGAAAAACCATTTGTGTGGGAAGGAAAGAATGAAA
 ATGAAGTAGGCAGATGTAAGGAGACCGGCAAAATTCACGTGACTGTGGATCTGAAATACTACCGACCGAC
 TGAAGTGGACTTTCTACAGGGAGACTGCTCCAAGGCTCAGCAGAACTGAACTGGAACCCCGCTTGC
 TTCGATGAGCTGGTGAGAGAGATGGTGCAGGCCGACTGGAGCTCATGAGGACCAACCCCAACGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR209669 representing NM_001039606
Red=Cloning site Green=Tags(s)

MAHAPASCRRYPGSGDGEMGKLRKVALITGITGQDGSYLAEFLLKGYEVHGIVRRSSSFNTGRIEHL YK
 NPQAHIEGNMMLHYGDLTDSTCLVKIINEVKPTEIYNLGAQSHVKISFDLAEYTAADV DGVGTLRLLLDAIK
 TCGLINSVKFYQASTSELYGKVQEI PQKETT P FYPRSPYGA AKL YAYWIVVN FREAYNLFAVNGILFNHE
 SPRRGANFVTRKISRVAKIYLGQLECFSLGNLDAKRDWGHAKDYVEAMWMLQNDPEPDFVIATGEVHS
 VREFVEKFSMHIGKTI V WEGKNENEVGRCKETGKIHVTVDLKYRPT EVD FLQGD C S KA Q Q K L N W K P R V A
 FDELVREMVQADVLMRTNPNA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

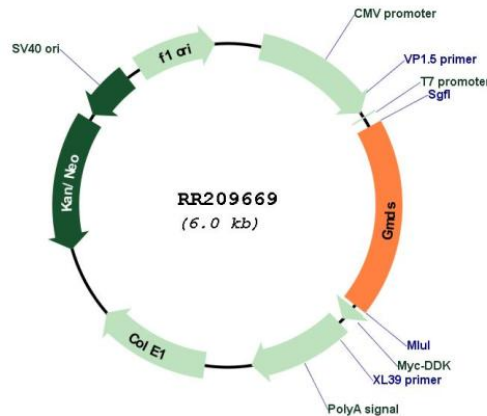
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001039606

ORF Size:	1116 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_001039606.1 , NP_001034695.1
RefSeq Size:	1492 bp
RefSeq ORF:	1119 bp
Locus ID:	291095
Cytogenetics:	17p12
MW:	42.1 kDa