

Product datasheet for **RR202561**

Gsdmd (NM_001130553) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsdmd (NM_001130553) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gsdmd
Synonyms:	Gsdmdc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR202561 representing NM_001130553
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTCAGCCTTTGCGGGAGTGGTCAAGAATGTGATCAAAGAGGTGGCGGCAGCGGAGGAGAGCTCA
 TCCAGTGGACTGCCTTCGGAATTCTACCAGCTTCAAGCCCTACTGCCTCCTGAGCAGGAACTCTCAAG
 CTCATGGTTCTGAAAACCCCGTTATACATGTGTCAACCTGTCAATCAAGGACATCCTGGAGCCAGTGCT
 CCAGAACCAGTGTCTGGCAGTTCAGTGCCTCCATGAATGTGTGTATGCTGCGTGTGACTCAGCAGACCT
 GGGAGATCATGCAACGTGAAAGGCACCTGCAGCAGCCTGAAAACAAAATCCTGCAACAGCTGCGGAATCG
 TGGGGATGACGTGTTTGTGTGACCGAGGTGCTGCAGACAAGGAGGAGGTGCAGATCACCCAGGTCCAC
 AGCCACGAGGGCTCAGGCCAGTTCACACTGCCTGGAGCCTCGTGCTTGCAGGGTGAAGGCAAGGGCCACC
 AAAGCCGAAGAAGATGGTGACCATTCTGCAGGCAGCATCCTTGCATTCCGAGTGGCCAGCTGCTCAT
 TGGCTCTGAATGGGATATTCTTCTCATCTCAAATGAGAAAAAGAGACCTTTGAGCTGCCCTCCTCAGGC
 CACAAAGGAGCAGTGGGCCAGAGGCGGCATGACTTTAGTCTGCTTGCCGTACTCCATTCCATCGGGGAGC
 GGCTGAGTCTCAAGTCAGATGGAACCAATGAGGAAGAAGTAATCAGGGAAGACTTCCAAGCCCTGCGTGC
 GGAGGTGGAGGCAGGCTCTTCAGAACTGCGGAGCTTAGAAATGGAGTTGAGACAACAGCTACTAGTAGAC
 ATCGGGAGGATTTTACAGGACCAGCCAGCATGGAAGCCTTAGAGGCCTCACTAGAGCAGGGTCTGTGCA
 GTGGTGAGCAGGTAGAGCCTCTGGAAGGCCAGCAGGCAGCATCCTTGAGTGTCTGGTGCCTGACTCTGG
 AGAACTGGTGCCGAACTTGACGCCCCGTCTTCTACCTGTTGGGAGCACTGGCTGGGTTGAGTGAAGC
 CAGCAGCAGCTACTGGCTACTAAGGCTCTGGAGGCAACGGTGTCTCAAAGGAGCTAGAGTTGGTGAAGC
 ACGTCTTGGAACAGAGCACCCCATGGCAGGAGCAGAGATCTGTGCCCTGCCCTCCAGGCTCCTTGGGGA
 CAGCTGGGATGAGGAGGCTCTCACCTGGGTCTTGTCTAGAAGAATGTGGCCTAACGCTGCAGGTGGAACCC
 CCCCAGGTATACTGGAACCAACATCTCAGGGCCCATATGTGCACTCTATGCCTCCCTGGCCCTATTGT
 CAAGTCTAGGCCAGAAATCGTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202561 representing NM_001130553
 Red=Cloning site Green=Tags(s)

MPSAFAGVVKNIKEVGGSGGELIPVDCLRNSTSFKPYCLLSRKLSSSWFWKPRYTCVNLISIKDILEPSA
 PEPVSGSSASMNVCMLRVTTQWEIMQRERHLQOPENKILQQLRNRGDDVVFVTEVLQTKEEVQITQVH
 SHEGSGQFTLPGASCLQEGEGKQSRKKMVTIPAGSILAFRVAQLLIGSEWDILLISNEKKRTFELPSSG
 HKGAVGQRRHDFSLAVLHSIGERLSLKSDGTNEEEVIREDFQGLRAEVEAGSSELSLEMELRQQLVD
 IGRILQDQPSMEALEASLEQGLCSGEQVEPLEGPAGSILECLVLDSEGLVPELAAPVFYLLGALAGLSET
 QQQLLATKALEATVLSKELELVKHVLEQSTPWQEQRSVPLPSRLLDGSDWDEEALTWVLEECGLTLQVEP
 PQVYWEPTSQGPICALYASLALLSSLGQKSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

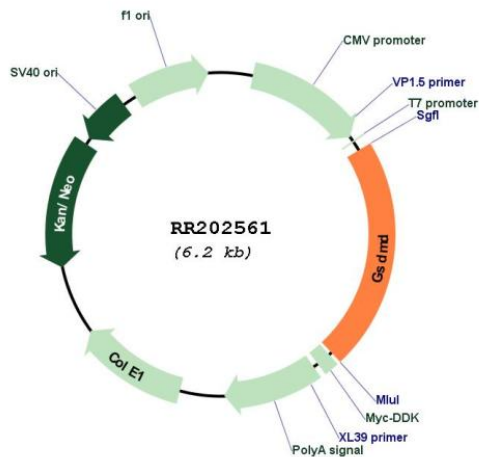
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001130553

ORF Size: 1353 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_001130553.1](#), [NP_001124025.1](#)

RefSeq Size: 1712 bp

RefSeq ORF: 1356 bp

Locus ID: 315084

Cytogenetics: 7q34

MW: 49.6 kDa