

Product datasheet for **RR208214**

Glod4 (NM_001014227) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Glod4 (NM_001014227) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Glod4
Synonyms: RGD1307010
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208214 representing NM_001014227
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTCACTCGTCGAGCTCTGCATTTTCGTTTTCAAAGTGGGAACCGCTCCAGACGGTGCATTTCTTTC
GAGATGTCCTGGGGATGCAGTTCTGCGCCATGAGGAATTTGAGGAAGGCTGCAAAGCCGCATGTAATGG
GCCTTATGATGGGAAATGGAGTAAAACAATGGTGGGATTTGGCCTGAGGATGACCATTTTGTTCAGAA
CTGACATACAATTACGGCATCGGAGACTACAAGCTTGGCAATGACTTCATGGGACTCACGCTTGCTTCCA
GCCAGGCTGTAGCAATGCCAGGAGGCTGGAGTGGCCACTCAGTAAAGTTGCAGAAGGGGTTTTTGAAC
TGAGGCCCCAGGAGGATATAAGTTCTACTTACAGGACAGAAGTCCATCTCAATCAGATCCTGTATTAAG
GTGACTCTAGCAGTGTCTGATCTCCAGAAGTCTTGAAGTACTGGTCTAATCTCTTAGGAATGAAAATTT
ATGAGCAAGACGAGGAAAAGAAATGGGCTTTGCTGGGCTATGCTGATGACCAGTCAAGCTGGAGCTACA
GGGCATCCAGGGTGCAGTTGATCATTAGCGGCCCTTTGGAAGAATTGCCTTTTCTGTCTCAGAAAAGAG
TTGCCAGACTTAGAAGACTTGATGAAAAGGGAGAGCCAATCGATCCTGACTCCGCTGGTGGTGGTGGACA
CCCCAGGAAAAGCAACAGTCAAGTGGTTATCCTGGCTGACCCGTGATGGACATGAAATTTGCTTTGTTGG
GGACGAAGCTTTCCGAGAGCTCTCTAAGATGGATCCAAAAGGAAGCAAAATTTGTTGGATGATGCAATGGCA
GCAGACAAAAGTACGAGTGGTTTCTACAAGAAATAAACCAAAGGCTTCGGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208214 representing NM_001014227
 Red=Cloning site Green=Tags(s)

MVTRRALHFVFKVGNRFQTVHFFRDVLGMQVLRHEEFEEGCKAACNGPYDGKWSKTMVGFPEDDHFAE
 LTYNYGIGDYKLGNDFMGLTLASSQAVSNARRLEWPLSKVAEGVFETEAPGGYKFLYQDRSPSQSDPVLK
 VTLAVSDLQKSLNYWSNLLGMKIYEQDEEKKWALLGYADDQCKLELQGIQGAVDHSAAFGRIFAFSCPQKE
 LPDLEDLMKRESQSILTPLVSLDTPGKATVQVILADPDGHEICFVGDEAFRELSKMDPKGSKLLDDAMA
 ADKSDEWFATRNPKASG

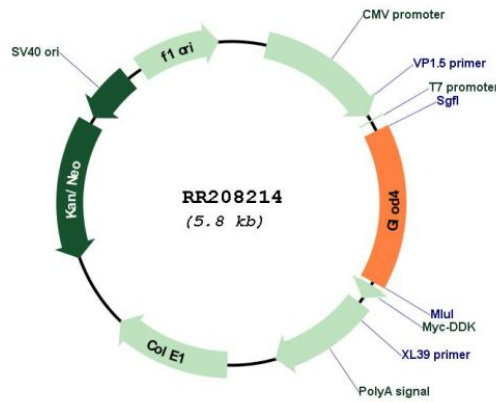
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001014227

ORF Size: 894 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_001014227.1 , NP_001014249.1
RefSeq Size:	1451 bp
RefSeq ORF:	897 bp
Locus ID:	363644
UniProt ID:	Q5I0D1
Cytogenetics:	10q24
MW:	33.3 kDa