

Product datasheet for MR204147

Glod4 (NM_026029) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glod4 (NM_026029) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glod4
Synonyms:	1700082G03Rik; 2700085E05Rik; C81254
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204147 representing NM_026029 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACTCGTCGAGCTCTGCACTTCGTTTTCAAAGTGAAGAACCCTCCAGACAGTGCATTTCTTTC
GAGATGTCCTGGGGATGCAGGTTCTCCGCCATGAGGAATTTGAAGAAGGCTGCAAAGCTGCATGCAATGG
GCCTTATGATGGGAAGTGGAGTAAACAATGGTGGGATTTGGGCCGAGGATGATCATTGTTGCAGAA
TTGACATAACAATTATGGCATCGGAGACTACAAGCTTGGCAATGACTTCATGGGAATCACGCTTGCTTCTA
GCCAAGCTGTGAGCAATGCCAGGAAGCTGGAGTGGCCACTGAGTAAAGTTGCAGAAGGGATTTTTGAAAC
TGAAGCCCAGGAGGATATAAGTTCTACTTACAGGATAGAAGCCCATCTCAGTCAGATCCTGTATTAAG
GTGACTCTAGCAGTGTCTGATCTCCAGAAGTCTTGAAGTACTGGTCTAATCTCCTGGGAATGAAAATTT
ATGAGCAAGATGAGGAAAAGCAACGAGCTTTGCTGGGCTACGCTGATAACCAGTGAAGCTAGAGCTACA
GGGCATCCAGGGTGCAGTTGATCATGCAGCGGCCCTTTGGAAGAATTGCCTTTTCTGTCTCAGAAAAGAG
TTGCCAGACTTAGAAGACTTGATGAAAAGGAGAGCCACTCGATCCTGACTCCGTTGGTGAAGTCTGGACA
CCCCAGGAAAGCCACAGTGAAGTGGTCACTCGGCTGACCCTGATGGACATGAAATTTGCTTTGTTGG
GGATGAAGCTTTTCGAGAACTCTAAGATGGATCCAAAAGGAAGCAAATTTGGATGATGCAATGGAA
GCAGACAAAAGTGACGAGTGGTTTGGCTACGAGGAATAAACCAAGGCTTCGGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204147 representing NM_026029
Red=Cloning site Green=Tags(s)

MATRRALHFVFKVKNRFQTVHFFRDVLGMQVLRHEEFEEGCKAACNGPYDGKWSKTMVGFPEDDHFVAE
 LTNYNGIGDYKLGNDFMGITLASSQAVSNARKLEWPLSKVAEGIFETEAPGGYKPYLQDRSPSQSDPVLK
 VTLAVSDLQKSLNYWSNLLGMKIYEQDEEKQRALLGYADNQCKLELQGIQGAVDHAAAFGRIFAFSCPOKE
 LPDLEDLMKRESHSILTPLVSLDTPGKATVQVILADPDGHEICFVGDEAFRELSKMMPKGSKLLDDAME
 ADKSDEWFATRNPCKASG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9059_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026029

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:

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_026029.3](#), [NP_080305.2](#)

RefSeq Size: 2523 bp

RefSeq ORF: 897 bp

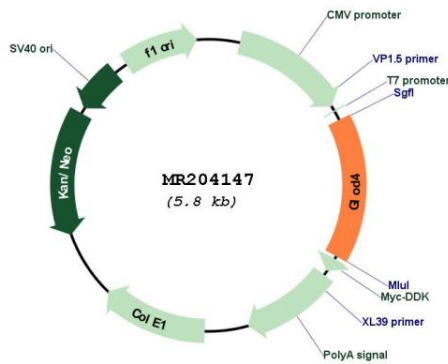
Locus ID: 67201

UniProt ID: [Q9CPV4](#)

Cytogenetics: 11 B5

MW: 33.3 kDa

Product images:



Circular map for MR204147