

Product datasheet for **MR218051**

Gcat (NM_001161712) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gcat (NM_001161712) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gcat
Synonyms: A1526977; Kbl
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR218051 representing NM_001161712
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGGGCCAGCTTCATGTGGCACGGGGCGCTGTCCCCTGGCCGCGCGCACATTCAGCGCTGGCTCAGT
TGCCTGCATCCTGGACAGCGAACTGGAAGGGATCCGCGGAGCCGGCACCTGGAAGAGTGAGCGTGTGAT
CACGTCCCGCCAGGGACCGAGCATCCGCGTGGACGGCATCTCGGGAGGAATCCTCAACTTCTGTGCCAAT
AACTACCTGGGCCTGAGCAGCCACCTGCAAGTATCCAGGCAGGTCTGCAGACTCTGGAGGATTTGGAG
CTGGACTCAGTTCTACTCGATTTATCTGTGGGACCCAGAGCATCCATAAGAATCTAGAAGCCAAGATAGC
CCACTTCCACCAGCGTGAGGACGCCATCCTCTATCCCAGCTGTTTCGATGCCAACGCTGGCCTATTTGAG
GCTTTGCTGACCCAGAGGATGCGGTTCTGTGAGATGAGCTGAACCATGCTTCCATCATTGACGGCATCC
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GGCTCAGAAGCACAGGCTGCGCCTGGTGGCCACAGATGGAGCTTCTCCATGGATGGTGACATCGCTCCC
CTACAGGACATCTGCCGCTTGGCCCAATATGGTGGCCTGGTCTTTGTGGATGAATGCCATGCCACTG
GCTTTCTTGGGCCACAGGACGGGGCACAGATGAGCTGCTAGGTGTCATGGACCAGGTACCATCATCAA
CTCCACCCTGGGAAGGCCTGGGTGGAGCATCAGGGGGATATACCACCGGCCTGAGCCACTGGTGTCC
CTGCTACGGCAGGTTCTCGGCCCTACCTCTTCTCCAACAGCCTGCCCCCTGCTGTAGTCGGCTGTGCTT
CTAAGGCCCTGGACCTGCTCATGGAGAGCAATGCCATCATCCAGTCTATGGCTGCCAAGACCCGGCGGTT
CCGCAAGTAAAGTGAAGCTGCTGGTTTTACTGTCTCAGGAGCCGATCACCCATCTGCCCTGTGATGCTG
GGAGATGCACGGTTGCTTCTCAAATGGCAGATGACATGTTAAAGAAAGGAAAATGGCTGACATCCAGAA
CATTTGCTGGACAGCCAGGGAGCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR218051 representing NM_001161712
 Red=Cloning site Green=Tags(s)

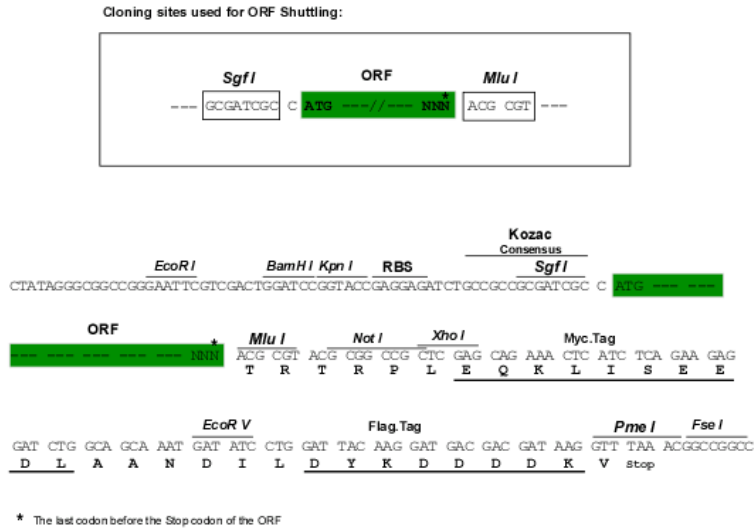
MWASFMWHGALSPGRRASALACLRCILDSELEGIRGAGTWKSERVITSRQGPSIRVDGISGGILNFCAN
 NYLGLSSHPAVIQAGLQTL EEFGAGLSSTRFICGTQSIHKNEAKIAHFHQREDAILYPSCFDANAGLFE
 ALLTPEDAVLSDELNHASIIDGIRLCKAHKYRYRHLDMALEAKLKEAQKHRLRLVATDGAFSMDGDIAP
 LQDICRLAAQYGALVFVDECHATGFLGPTGRGTDELLGVMDQVTIINSTLGKALGGASGGYTTGPEPLVS
 LLRQRSRPYLFNSLPPAVVGCASKALDLLMESNAIIQSMAAKTRFRFRSKMEAAGFTVSGADHPICPVML
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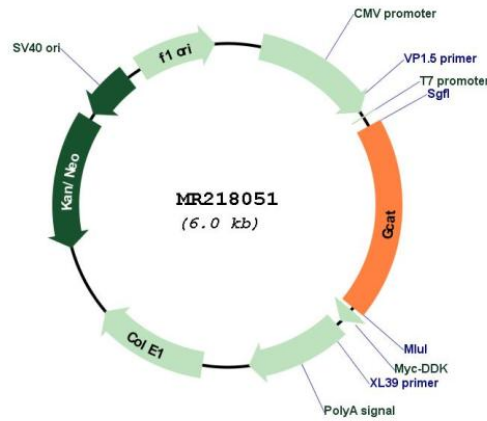
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001161712

| | |
|-------------------------------|---|
| ORF Size: | 1146 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_001161712.1 , NP_001155184.1 |
| RefSeq Size: | 1763 bp |
| RefSeq ORF: | 1149 bp |
| Locus ID: | 26912 |
| Cytogenetics: | 15 37.7 cM |
| MW: | 41.8 kDa |