

Product datasheet for **MR207587**

Gss (NM_008180) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gss (NM_008180) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gss
Synonyms:	A1314904; GS-A/GS-B; GSH-S
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207587 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTACCAGCTGGGGCAGCATCTTGCAAGATGAGAAGCAGCTGGAAGAAGCTGGCAAGCAGGCCATAG
 ACCGGGCCCTGGCCGAGGGCGTGTGCTGAGGTCGACAGCATCCCAGCTCCTCCGACGTGGTGACATA
 TGCCCCATTACGCTTTTCCCCTCGCCAGTACCCAGTGCTCTGCTGGAGCAGGCCTATGCTGTGCAGATG
 GACTTCAACATACTGGTGGATGCTGTGACGCCAGAACCCAGCCTTCTGGAGCAAACACTGTCTAGCACCA
 TCAAAAAGGACGACTATACTGCCGTCTCTTTGATATCTACAAACAAGTCTGAAAGAGGGCATTGCCCA
 GACCGTGTTCCTGGCCCTGAATCGCTCAGATTACATGTTCCAGTGCAGCAGCAGGCCTCCAAAGCCCTG
 AAACAGATCGAGATCAACTATCTCTGCCAGCTTTGGGGCCTGGCCTCCCGACTCCAGCTGTGCACC
 GACACGTTCTCAATGCTCTGAATAAGACCAAAGAAGCTTCCAAGATCCTGTCCAATAACCCAGCAAGGG
 ACTGGCCCTGGGGATCGCAAAGCCTGGGAGCTCTATGGCTCAGCTAATCGGGTGGTCTACTGATTGCT
 CAAGAGAAGGAAAGGAACATATTTGACCAGCGTGCCTAGAGAACGAGCTCTAGACAGGAAGATCCATG
 TCATCCGTGGAAGATTTGAAGATGTCTCTGAAAGGGTCTCTGGACCAAACCGAAGGCTGTTTATGGA
 TGACCAGGAAGTTGCTGTGGTGTACTTCCGAGATGGCTACATGCCAGTCAGTATAATTCACAGAAGTGG
 GAAGCACGCCTGATGCTAGAGAGATCTCGTGTGCCAAGTGTCCAGACATTGCCATACAGCTGGCTGGGA
 CTAAGAAGGTGCAGCAGGAAGTGCAGAGGTGGTCTGCTGGAAGCACTGCTCCCGGGCCAGCCGAGGC
 TGTGGCCCGCCTCCGAGCCACCTTTGCTGGCCTCTATTCAGTGGACATGGGTGAAGAAGGGGACCAGGCC
 ATTGCTGAGGCCCTTGTGCTCTAGCCACTTTGTGCTGAAGCCCAGAGAGAGGGTGGAGGTAACTACT
 TATACGGGGAAGAAATGGTACAAGCTCTGGAGCAGCTGAAGGACAGTGAAGGAGAGAGCCTCTACATCCT
 CATGGAGAAGATTGAACCTGAGCCTTTTAGGAATTGCTTGTACGGCCTGGCAGCCCTGCCAAGTGGTC
 CAGTGTATCTCGAGCTGGGTATTTTTGGAGTCTATGTCAGACAGGGAACAACACTGGTGTGAACAAGC
 ATGTGGGGCACCTGCTTCGAACCAAAGCCTGGAGCATGCAGACGGAGGTGTGGCGCAGGAGTGGCAGT
 CCTGGACAACCCCTACCCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207587 protein sequence
 Red=Cloning site Green=Tags(s)

MATSWGSIHQDEKLEELAKQAIDRALAEGVLLRSQHPSSSDVVYAPFTLFPSPVPSALLEQAYAVQM
 DFNILVDAVSQNPALFLEQTLSSITKDDYARLFDIYKQVLKEGIAQTVFLGLNRSYMFQCGADGSKAL
 KQIEINTISASFGLASRTPAVHRHVLNVLNKTKEASKILSNPNSKGLALGIAKAWELYGSANAVLLIA
 QEKERNIFDQRAVENELDRKIHVIRGRFEDVSEKSLDQNRRLFMDDQEVAVVYFRDGYMPSQYNSQNW
 EARLMLERSRAAKCPDIAIQLAGTKKVQQLSRVGLLEALLPGQPEAVARLRATFAGLYSLDMGEEGDQA
 IAEALAAPSHFVLPQREGGNNLYGEEMVQALEQLKDSEERASYILMEKIEPEPFRNCLLRPGSPAQVV
 QCISELGIQGVYVRQGTTLVMNKHVGHLLRTKAVEHADGGVAAGVAVLDNPPV

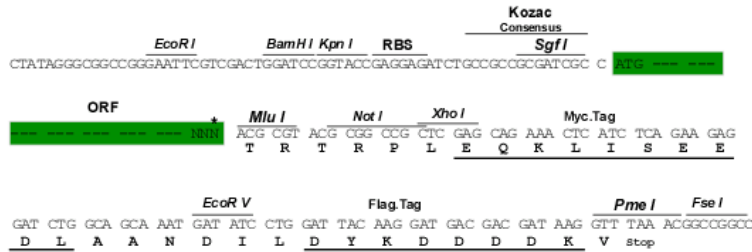
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_008180

ORF Size: 1425 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_008180.1](#), [NM_008180.2](#), [NP_032206.1](#)
RefSeq Size: 1978 bp

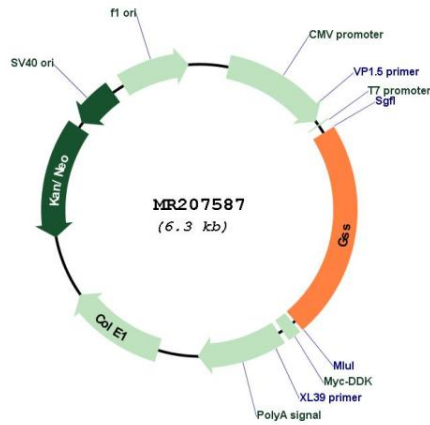
RefSeq ORF: 1425 bp

Locus ID: 14854

UniProt ID: [P51855](#)

Cytogenetics: 2 H1
 MW: 52.2 kDa

Product images:



Circular map for MR207587