

Product datasheet for **MR208024**

Gsr (NM_010344) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsr (NM_010344) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gsr
Synonyms:	A1325518; D8Ertd238e; Gr-1; Gr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR208024 representing NM_010344
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCTGCTGCCCGGGCGCTGGGCGTGGGCGCGGCCCGAGCCTGCGGCGGGCAGCGCGCGCTCA
 CCTGCGCCATGGCGAGTCCCGGGCAGCCAGCCCGGCCCGACACCTCTTCCCTCGACTACCTGGT
 GATCGGGCGGGCTCCGGCGGGCTGGCCAGCGCGCGGGCGGGCAGCTCGGGCCAGGGCCGCGGTG
 GTGGAGAGTCACAAGCTGGTGGCACTTGCCTGAATGTTGGATGTGTACCCAAAAAGGTAATGTGGAACA
 CAGCAGTGCCTCGAATTCATGCACGATCACGTGGATTACGGCTTTCAAAGCTGTGAGGGTAAATTCAG
 TTGGCATGTCATCAAGCAGAAAAGGGATGCCTATGTGAGCCGCTGAACACCATCTATCAAATAATTTA
 ACCAAGTCTCACATAGAAATTATCCACGGCTATGCAACATTTCGAGATGGTCTCGGCCACGGTGAAG
 TCAATGGGAAAAAGTTTACCGCTCCACACATCCTGATTGCCACAGGAGGGTGGCCACAGTTCTCAGCA
 GAGCCAGATCCCAGGCGCCAGCCTGGGGATCACCAGTGTGGCTTCTTTAGCTGGAGGACTTGGCCAGC
 CGCAGCGTCATCGTGGGGCCGGGTACATTGCTGTGGAGATCGCGGGCATTCTCTGCCCTGGGCTCCA
 AGACATCTCTTATGATCAGGCATGATAAGTACTGAGAAATTTGATTCACTCATCAGTTCCAACCTGCAC
 CGAGGAAGTGGAGATGCCGGCGTGGAGGTGTTGAAGTTCACACAGGTTAAGGAAGTAAAAAGACATCA
 TCAGGCCCTGGAGCTCAAAGTGGTACTTCCGTGCTGGTGAAGGCCACCACGACCATGATTCCAGATG
 TTGACTGCCTGCTCTGGGCCATTGGACGGGACCAAATTTAAGGGCCTGAATCTGAATAAAGTGGGCAT
 TCAGACGGATGAAAAGGGCCACATCCTAGTAGACGAATCCAGAATACCAATGTCAAAGGCGTCTATGCT
 GTGGGAGACGCTGTGGGAAAGCGCTTTCACCCAGTTGCAATCGCTGCTGGCCGAAACTTGCCCATAG
 GACTGTTTGAATGCAAACAAGATTCCAAATAGACTATGACAACATCCCTACTGTGGTCTTCAGCCACC
 CCTATTGGGACCGTGGGCTCACTGAAGACGAAGCTGTTATAAGTATGGGAAAGACAATGTGAAAATC
 TACTCGACTGCCTTTACCCGATGTATCAGCTGTGACCACGAGGAAGACGAAATGCGTCATGAAGATGG
 TTTGTGCCAACAAAGAGGAAAAGGTGGTTGGCATTACATGCAGGGGATTGGCTGTGATGAGATGCTGCA
 GGGCTTCGCTGTAGCGGTGAAAATGGGGGCCACCAAGGCCGACTTCGACAACACAGTTGCCATTCATCT
 ACCTCTTCAGAGGAGCTGGTCACCCTGCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208024 representing NM_010344
 Red=Cloning site Green=Tags(s)

MALLPRALGVGAAPSLRRAARALTCAMASPGEPQPPAPDTSSFYDLVIGGGSGGLASARRAAELGARA
 VESHLGGTCVNVGCVPKKVMWNTAVHSEFMHDHVDYGFQSCGKFSWHVIKQKRDAYVSRNLNTIYQNNL
 TKSHIEIIHGYATFADGPRPTVEVNGKFTAPHILIAITGGVPTVPHEsqIPGASLGITSDGFFQLEDLPS
 RSVIVGAGYIAVEIAGILSALGSKTSLMIRHDKVLRNFDLSISSNCTEELNAGVEVLKFTQVKEVKKTS
 SGLELQVVTSVPGRKPTTMIIPDVDCLLWAIGRDPNSKGLNLNKVGIQTDEKGHILVDEFQNTNVKGVYA
 VGDVCGKALLTPVAIAAGRKLHRLFECKQSKLDYDNIPTVVFSHPIGTVGLTEDEAVHKYKDNVVI
 YSTAFTPMYHAVTTRKTKCVMKMCANKEEKVVGIIHQGIGCDEMLQGF AVAVKMGATKADFNTVAIHP
 TSSEELVTLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9088_h02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_010344

ORF Size: 1500 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_010344.4](#), [NP_034474.4](#)

RefSeq Size: 2692 bp

RefSeq ORF: 1503 bp

Locus ID: 14782

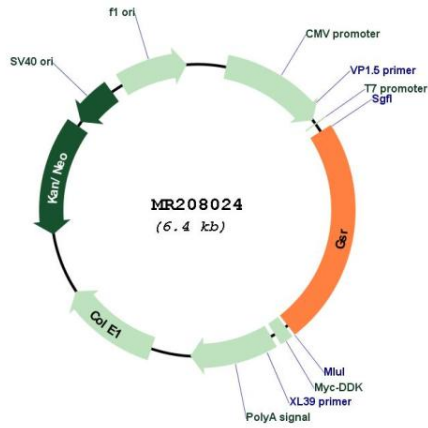
UniProt ID: [P47791](#)

Cytogenetics: 8 20.69 cM

MW: 53.7 kDa

Gene Summary: Maintains high levels of reduced glutathione in the cytosol.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208024