

Product datasheet for **RN214415**

Gsr (NM_053906) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gsr (NM_053906) Rat Untagged Clone
Tag: Tag Free
Symbol: Gsr
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214415 representing NM_053906
Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCC

ATGTGGAACACAGCCGTGCACTCGGAATTCATACATGATCACGTGGATTACGGCTTTCAAACACTGCAAGA
GTAATTC AATTGGCATGTCATCAAGGAGAAGCGGGATGCTTACGTGAGCCGCCTGAACAACATCTACCA
AAACAATTTAACCAAGTCCCACATCGAAGTCATCCACGGCTACGCAACATTTGCAGATGGTCCCCAGCCC
ACAGTGGAAAGTCAACGGGAAAAAGTTCACTGCTCCACACATCCTGATCGCCACGGGTGGTGTGCCACGG
TTCTCATGAGAACCAGATCCCAGGTGCCAGCCTGGGGATAACCAAGTGTGGGTTCTTTAGCTGGAAGA
CTTGCCACGGCAGCGTTATTGTGGTGCCGGTTACATTGCCGTGGAGATTGCGGGCATCCTCTCCGCC
CTGGGCTCCAAGACGTCTCTTATGATCAGGCATGATAAGGTGCTTAGAAGCTTTGATTCACTCATCAGTT
CCAAGTGCACCGAGGAGCTGGAGAACGCTGGCGTGGAGGTGTTGAAGTTCTCACAGGTTAAGGAAGTAA
GAAGACCCCATCGGGCTTGGAACTCCATGTGGTACTGCACTTCCCGGTAGGAAACCCACCGTGACCACG
ATTCCAGATGTCGATTGCCTGCTCTGGGCCATTGGACGGGACCCAAATTTAAGGGCCTGAATCTAATA
AACTGGGGATTCAAGACTGATGACAAAGGCCATATCCTAGTGGACGAGTTCCAGAATACCAATGTCAAAGG
CGTCTATGCCGTGGGCGATGCTGTGGGAAAGCACTTCTCACCCAGTTGCGATCGCTGTGGCCGAAA
CTCGCCCATAGACTTTTTGAGGGCAAAGAAGATTCAGGTTGGACTATGCAACATCCCTACCGTGGTCT
TCAGCCACCCGCCTATCGGGACAGTGGGGCTCACTGAAGATGAAGCCGTCATAGTATGGCAAAGACAA
TGTGAAAATCTACTCGACCGCCTTACCCCGATGTATCAGCGTGTGACCACGAGGAAGACGAAATGCGTG
ATGAAGATGGTTTGTGCCAACAAAGAGGAGAAGGTGGTTGGCATCCATATGCAGGGGATTGGCTGCGATG
AGATGCTTCAGGGCTTCGCTGTAGCAGTGAAAAATGGGGGCCACCAAGGCCGACTTCGACAATACGGTCCG
CATTATCCTACCTTTTCAAGAGCTGGTCACACTGCGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI



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ACCN:	NM_053906
Insert Size:	1233 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_053906.2 , NP_446358.2
RefSeq Size:	1850 bp
RefSeq ORF:	1233 bp
Locus ID:	116686
Cytogenetics:	16q12.3
Gene Summary:	catalyzes the conversion of glutathione and NADP+ to glutathione disulfide and NADPH + H+; may play a role in spermatogenesis [RGD, Feb 2006]