

Product datasheet for **RN201392**

Gclc (NM_012815) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gclc (NM_012815) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gclc
Synonyms:	Gclc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201392 representing NM_012815
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTGCTGTCCAAGGCTCGCCACTGAGCTGGGAAGAGACCCAGCGCCACGCCACCAGTGC
 GACACGGCATCCTCCAGTTCCTGCACATCTACCACGCAGTCAAGGACCGGCACAAGGACGTGCTCAAGTG
 GGGTGACGAGGTGGAGTACATGTTGGTGTCTTTGATCATGAAAAAGGAAAGTCCAGTTGTTACTGAAT
 GGCGGCGATGTTCTTGAAGCTCTGCAAGAGAAGGGGGAGAGGACAAACCCCAACCACCAACCTCTGGA
 GACCAGAGTATGGGAGTTACATGATTGAAGGGACACCTGGCCAGCCGTACGGAGGAACGATGTCGAGTT
 CAACACAGTGGAGGACAACATGAGGAAACGCCGGAAGGAGGCTACTTCTGTATTAGGAGAACATCAGGCT
 CTTTGACGATAACTTCAATTTCCAGGCTAGGCTGCCCTGGATTCACACTGCCAGAGCACAGACCAACCC
 CAGAGGAAGGAGTGCATCTAAGTCCCTCTTTCCAGACGAAGCCATAAACAAGCACCCCGCTTTGG
 TACTCTAAACAAGAAACATCCGGCATCGGAGAGGAGAAAAGTTGTCATCAATGTGCCAATATTCAAGGAC
 AAGAACACACCATCTCCGTTTGTAGAAACATTTCTGAGGATGAGGAGGCATCAAAGGCCTTAAGCCAG
 ACCACATCTACATGGATGCCATGGGATTTGGGATGGGCAACTGCTGTCTTCAGGTGACATTTCAAGCCTG
 CAGTATATCTGAGGCAAGATACCTTTATGACCAGTTGGCCACTATCTGCCAATTGTTATGGCTTTGAGT
 GCTGCATCGCCATTTTACCGAGGCTACGTGTCAGACATTGATTGTGCTGGGAGTGATTCTGCATCTG
 TAGATGATAGAACACGGGAGGAGAGGAGGACTGGAGCCCTGAAGAACAATCGCTTTAAAAACAGTAAATC
 TCGGATGACTCAATAGATAGCTACCTGTCCAAGTGTGGAGAGAAGTACAATGACATCGACCTGACCATC
 GACACGGAGATCTACGAGCAGCTTTAGAGGAAGGCATCGATCACCTTCTGGCACAGCAGTTGCTCATC
 TCTTTATTAGAGACCCACTGACCCTTTTTGAAGAGAAAATTCATCTGGATGATGCCAAGCAGTCTGACCA
 TTTTGAGAAATTCAGTCCAAAACCTGGCAGACAATGAGGTTTAAAGCCTCCTCCTCCAAAACCTCAGATATT
 GGATGGAGAGTAGAGTTCGACCAATGGAGGTACAGTTGACAGACTTTGAGAACTCTGCCTATGTGGTAT
 TTGTGGTACTGCTGACCAGGGTATCCTCTCATAAAAACCTAGACTTCTCATTCCACTGTCCAAGGTTGA
 CGAGAACATGAAAGTGCCACAGGAGCGAGATGCCGTCTTACAGGGGATGTTTTATTTTCAGGAAAGACATT
 TGCAAAGGTGGCAACGCCGTGGTGGATGGGTGTAGCAAGGCCAGACCAGCTCCGAGCCATCTGCAGAGG
 AGTACACGCTCATGAGCATAGACACCATCATCAATGGGAAGGAAGGCGTGTTCCTGGACTCATCCCCAT
 TCTGAACCTCTACCTTGAAGACATGGAAGTGCAGTGGACACCCGATGCAGTATTCTGAACCTACCTGAAG
 CTAATTAAGAAGAGAGCATCTGGAGAATAATGACTGTTGCCAGGTGGATGAGAGAGTTTATTGCAAACC
 ATCCTGACTACAAGCAAGACAGTGAATAACTGATGAGATCAACTATAGCCTCATTTTGAATGCAATCA
 AATTGCAATGAATTGTGTGAATGTCCAGAGTTACTTGGATCAGGCTTTAGAAAAGCGAAGTACAGTGGAA
 GGTAAGCGACCCCTCAGACT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012815
- Insert Size:** 1914 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:

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_012815.2](#), [NP_036947.1](#)

RefSeq Size: 3079 bp

RefSeq ORF: 1914 bp

Locus ID: 25283

UniProt ID: [P19468](#)

Cytogenetics: 8q31

Gene Summary: catalyzes the first step in the synthesis of glutathione [RGD, Feb 2006]