

Product datasheet for **RN210532**

Gclm (NM_017305) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gclm (NM_017305) Rat Untagged Clone
Tag: Tag Free
Symbol: Gclm
Synonyms: Glclr
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN210532 representing NM_017305
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCACCGACAGCCGCGGGCCGGAGCACTTCTGGCGGGCCAGCACCTGCACCTGCAGACCGGGA
ACCTGCTCAACTGGGGCCGCTGCGAAAAAGTGTCCGTCCACGCACAGCGAGGAGCTTCGAGACTGTAT
CCAAAAGACCTTGAATGAATGGAGCTCCCAAATCAGCCCTGATTTGGTCAGGGAGTTCCAGATGTTTTG
GAATGTACCATGTCCCATGCAGTGGAAAAGATAAACCTGATGAAAGAGAAGAAATGAAAGTTTCTGCTA
AACTGTTCAATTGTAGGATCGAATCTTTCATCATCAACTAGAAATGCAGTTGACATGGCATGCTCAGTCC
TGGAGTTGCACAGCTGGACTCTGTATCATATGGCTTCCCCTCCAATTGAAGATGGAGTTAATCTTTCCTTG
GAGCATTGTCAGCCTTACTGGGAGGAATTAGAAAACTTAGTTCAGAGCAAGAAGATTGTTGCTATAGGCA
CCTCGGATCTAGACAAAACACAGTTGGAGCAGCTGTACCAGTGGGCACAGGTAACCCCAATAGTAATCA
AGTTAATCTTGCCTCCTGCTGTGTATGCCACCAGATTTGACTGCATTTGCTAACAGTTTGACATACAG
CTACTGACTCACAATGACCCAAAAGAACTGCTCTCTGAGGCAAGTTTCCAGGAAGCTCTTCAAGAAAAGCA
TCCCTGACATTGAAGCCAGGAGTGGTGCCACTGTGGCTGCTGAGGACTCGGTACTCGTAAAAAGCAG
AGGAATCATCAAGTCAAAGGATACATTTTGAAGCCAAAAGAAAGGGTTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_017305
Insert Size: 825 bp



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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_017305.2 , NP_059001.1
RefSeq Size:	1524 bp
RefSeq ORF:	825 bp
Locus ID:	29739
UniProt ID:	P48508
Cytogenetics:	2q41
Gene Summary:	an integral part of the enzyme gamma-glutamylcysteine synthetase, which catalyzes the first step of glutathione (GSH) synthesis [RGD, Feb 2006]