

## Product datasheet for **RN213316**

### Gldc (NM\_001107583) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gldc (NM_001107583) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gldc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN213316 representing NM\_001107583  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGCTGTGTGCCAGGGCATGGGGGCTGCGCTTGGCCCTGGAGCCGGGGCGGCCACCCGCTGGCTC  
 GGGACACCGGCTTGAGTTGGGCGCCGCGAGCCGGACAGCAGCAGCGGGTGGCGCGGTGGCGGGGA  
 CCGCGGCGCGGCTGGGGCCTCGCGCCTCCTGGAGCGCCTCCTGCCAGACACGATGACTTCGCTCGGAGA  
 CACATCGGCCCGGAGACAAAGACCCGGAGGGAGATGCTGCAGGCGCTGGGGCTGGCGAGCATTGATGAAC  
 TCATCGAGAAAACCGTCCCCGCCAGCATCCGCTTGAAGAGACCCTTGAAACTGGAAGACCCTGTATGTGA  
 GAATGAGATCCTGAAACTCTGCATGCCATTGCAAGCAAAAACCAGATCTGGAGATCCTATATTGGCATG  
 GGCTACTATAACTGCTCGGTGCCCGAGACCATTCTGCGGAACTTACTGGAGAATTCTGGATGGGTCCTC  
 AGTACACTCCGTATCAGCCCGAGGTGTCTCAGGGGAGGTTGGAGAGTTTACTCACTACCAGACCATGGT  
 GTCTGACATCACAGGCTTGGACATGGCCAATGCCTCCCTACTGGATGAGGCGACGGCGGCCGAGAGGCA  
 ATGCAACTGTGTACAGATATAGGGGGGTGATTGTCGAGCTGAAGTTACCCACGAAATGGATTTACAGT  
 GCAAAGATGTGAGTGGGGTGTGTTCCAGTACCCAGACACTGAGGGGAAGGTGGAGGACTTCACGGAAT  
 TGTAGAAAGAGCCATCAGACTGGGAGCCTGACCTGCTGTGCTACTGACCTTTTAGCTCTGTGATTTTTG  
 AGGCCACTGGAGAGTTTGGAGTGGACATTGCCCTGGGCAACTCCAGAGATTTGGAGTACCCTTGGCT  
 ATGGGGGACCACACGAGCCTTTTTTGTGTGAGAGAAAGTCTGGTGAGGATGATGCCTGGAAGGATGGT  
 GGGGGTGACAAGGGATGCCACGGGAAAGAAAGTATCGCCTTGTCTTTCAGACCAGAGAACAACACATC  
 CGGAGAGACAAAGCCACCAGCAACATCTGCACCCTCAGGCCCTGTTAGCCAACATGGCCGCCATGTTTG  
 CCATTTACCATGGATCCCATGGGCTTTCAGCATTGCAAAAAGAGTTTCAATGCTACTTTGATTTTTGTC  
 TGAAGGTCTCAAGCGAGCGGGACACCAACTCCAGCAGCAGCTGTTCTTTGACACTTTGAAGGTTCAAGT  
 GGCTGCTCACTGAAGGAGGTGTTGGGCAGAGCAGCTCAGAGGCAATCACTTTGACTCTTCGATGACG  
 GCACACTTGGCATTCTTTGGATGAAACAGTCACTGAGAAAGATCTGGATGATTTACTGTGGATCTTTGG  
 CTGTGAGTCATCCACCGAATTGGTTGCTGAAGGCATGGGAGAGGAATGGAGGGTCTTCTAGGGTCTTCA  
 TTCAAGAGAACCAGCCGTTTCTCACTCATCAGGTGTTCAACAGTACCCTCAGAAACCAATCTTGTTT  
 GATATATGAAGAACTGGAGAACAAGGACATCTCCCTCGTTCACAGCATGATTCCTGCCCATCACCTG  
 GAGAGAATTTGCAACATCCACCCTTTGTGCCACTGGACCAGGCCAGGGATACCAGCAGCTTTTCCAA  
 GAGCTTGAGAAGGATCTGTGTGAGCTCAGGGGTATGACCGAGTCTCATTCCAGCCAACAGTGGAGCGC  
 AGGGGGAGTATGCTGGCCTGGCCACCATCCGAGGTAAGTACAGCAGAAAGGAGAGAGGCACAGAACGGT  
 TTGCTCATTCTAAGTCAGCAGATGGAACGAATCCAGCAAGTGCTACATGGCCGGCATGAAGTCCAG  
 CCTGTGGAGGTGGACAGATACGGGAACATCGATGTCGCTCACCTCAAGGCCATGGTGGATAAGCACAAGG  
 AGAACCTGGCCGCATCATGATCACGTATCCATCTACCAATGGTGTGTTGAAGAGAACATCAGTGTGAT  
 GTGCGCCTGATTCACCAACATGGAGGACAGGTCTACCTCGACGGGGCAACATGAATGCCAGATGATG  
 GGGGAAAGGGTCTCAAGAGGCCACAGAAATCGCCATTCTAAATGCCAACTACATGGCCAAACGATTAG  
 AGAGATACTACAGAGTCTTTCAGAGGGTACGTGGCTCATGAATTCATTTGGACACACGACCCCTCAA  
 AAAATCTGCCAACATCGAGGCTGTGGATGTTGCCAAGAGGCTCCAGGATTACGGGACCCTCATGATTGAG  
 CCCACCGAGTCGGAAGACAAGGCCGAGTTGGACAGATTCTGTGATGCTATGATCAGCATCCGGCAGGAAA  
 TCGCGGACATAGAGGAGGCCGATCGACCCACGGGTCAACCCCTGAAGATGTCTCCACACTCCTTGAC  
 CTGTGTACATCCTCCGCTGGGATCGCCATATTCCAGAGAGGTGGCAGCATTCTCTGCCCTTTGTG  
 AAACCAGAGAACAATTTGGCCAACCATGCTCGGATCGACGACATCTACGGAGATCAGCACCTCGTCT  
 GCACCTGCCACCATGGAGGTCTACGAGTCTCCGTTTTCTGAACAGAAAAGGGCCTCTTCT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001107583  
**Insert Size:** 2655 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001107583.1</a></u> , <u><a href="#">NP_001101053.1</a></u>
<b>RefSeq Size:</b>	3367 bp
<b>RefSeq ORF:</b>	2655 bp
<b>Locus ID:</b>	309312
<b>Cytogenetics:</b>	1q52