

## Product datasheet for **RR201088**

### Glul (NM\_017073) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Glul (NM\_017073) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Glul  
Synonyms: Glns  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR201088 representing NM\_017073  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCACCTCAGCAAGTCCCACCTGAACAAAGGCATCAAGCAGATGTACATGAACCTGCCCCAGGGCG  
AGAAGATCCAACATCATGTATATCTGGTGTGATGGTACCGGGAAGGGCTACGCTGCAAGACCCGACTCT  
GGACTGTGACCCCAAGTGTGTAGAAGAGTTACCCGAGTGGAACTTTGATGGTTCTAGTACGTTTCAGTCT  
GAAGGCTCCAACAGCGACATGTACCTCCATCCTGTGGCCATGTTTCGAGACCCCTCCGCAGAGACCCCA  
ACAAGCTGGTGTCTGCGAAGTATTCAAGTATAACCGGAAGCCCGCAGAGACCAACCTGAGGCACAGCTG  
TAAGCGTATAATGGACATGGTGAGCAGCCAGCACCCTGGTTTGGAAATGGAACAGGAGTATACTCTCATG  
GGAACAGACGGCCACCCTTTTCGGCTGGCCTTCTAATGGCTTCCCTGGACCCCAAGGACCCTATTACTGCG  
GTGTGGGAGCTGACAAGGCTTATGGCCGAGATATCGTGGAGGCTCACTACCGGCCTGCTTGTATGCTGG  
AATCAAGATCACAGGGACAAATGCCGAGGTTATGCCTGCCAGTGGGAATCCAGATAGGACCCTGCGAA  
GGATCCGCATGGGAGATCATCTCTGGTAGCCGTTTTATCTTGATCGGGTATGCGAAGACTTTGGGG  
TGATAGCAACCTTTGACCCCAAGCCATTCCAGGGAAGTGAATGGGGCAGGCTGCCACACCAACCTTAG  
CACCAAGGCCATGCGGGAGGAGAATGGTCTGAGGTGCATTGAGGAGGCCATTGATAAACTGAGCAAGAGG  
CACCAGTACCACATCCGTGCCTACGACCCCAAGGGGGCCTGGACAACGCCCGCCGTCTGACTGGATTCC  
ACGAAACCTCCAACATCAACGACTTTTCCGCTGGCGTTGCCAACCGCAGCGCCAGTATCCGCATTCCCCG  
GATTGTGCGCCAGGAGAAGAAGGTTACTTTGAAGACCGTCGGCCTTCTGCCAATTGCGACCCCTATGCG  
GTGACGGAAGCCATCGTCCGCACGTGTCTCCTCAACGAACTGGCGACGAGCCCTTCCAATACAAGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR201088 representing NM\_017073  
Red=Cloning site Green=Tags(s)

MATSASSHLNKGIKQMYMNL PQGEKIQLMYIWDGTGEGLRCKTRTLDCDPKCVEELPEWNFDGSSTFQS  
 EGSNSDMYLPVAMFRDPFRDPNKL VFCEVFKYNRKPAETNLRHCKRIMDMVSSQHPWFGMEQEYTLM  
 GTDGHFPGWPSNGFPQGPYYCGVGADKAYGRDIVEAHYRACLYAGIKITGTNAEVMPAQWEFQIGPCE  
 GIRMGDHLWVARFILHRVCEDFGVIATFDPKPIPGNWNAGCHTNFSTKAMREENGLRCIEEAIDKLSKR  
 HQYHIRAYDPKGLDNARRLTGFHETSNINDFSAGVANRSASIRIPRIVGQEKGYFEDRRPSANCDPYA  
 VTEAIVRTCLLNETGDEPFQYKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

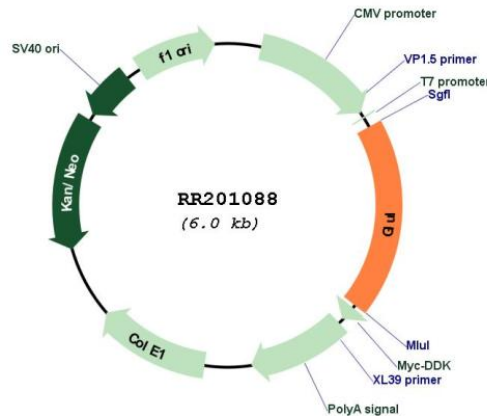
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_017073

<b>ORF Size:</b>	1119 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_017073.3</a> , <a href="#">NP_058769.4</a>
<b>RefSeq Size:</b>	2585 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	24957
<b>UniProt ID:</b>	<a href="#">P09606</a>
<b>Cytogenetics:</b>	13q21
<b>MW:</b>	42.3 kDa
<b>Gene Summary:</b>	glucocorticoid-inducible gene [RGD, Feb 2006]