

Product datasheet for **RN216984**

Gls2 (NM_001270786) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gls2 (NM_001270786) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gls2
Synonyms:	Ga
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216984 representing NM_001270786
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCTCCATGAGGGCTCTGCAGAACGCGCTGAGCCGCGGGCAGCCACGGCCAGAGGGGAGGCTGGG
 GTCACCCGAGCCGGGGCCGCTCCTGGGCGGGGTGTCCGGTACTACTTCGGTGAGGCCGCGGCAGGG
 CAGGGGGACGCCACAGCCACCAGCCGACACTCGGACCATGATGCCTCGAACAGTGGCATGTTGCCT
 CGACTTGGTGACCTGCTTTTCTACACCATTGCAGAGGGGCAGAACGCATCCCCATCCATAAGTTACCA
 CGGCCCTGAAGGCCACTGGACTGCAGACGTGACACCCACGGCTCCAGGACTGCATGAGCAAGATGCAGCG
 CATGGTCCAAGAGTCCAGCAGTGGTGGCTCTTGGACCGAGAACTCTTCCAAAAGTGTGTGAGCAGCAAC
 ATTGTGCTCCTGACTCAGGCATTCGGAAGAAGTTTGTATTCTGACTTTGAGGAGTTCACAGGCCATG
 TGGATCGTATATTTGAGGATGCCAAAGAGCTCACTGGAGGCAAAGTGGCAGCCTACATCCCTCACCTGGC
 CAAGTCAAACCCAGATCTTTGGGGCGTCTCCCTGTGACTGTGGATGGGCAGCGACTCTGTGGGCCAC
 ACGAAGATCCCTTTCTGCCTACAGTCTGTGTCAAGCCACTCACTTACGCCATCTCCGTGAGCACCTTAG
 GCACCGACTACGTGCACAAGTTCGTGGGCAAGGAACCCAGTGGTCTGCGCTATAACAAAACCTCCCTCAA
 CGAGGAAGGAATCCCTCATAACCCCATGGTCAATGCTGGTGTATTGTGGTCACTCCCTGATCAAGATG
 GACTGTAACAAAGCAGAGAAGTTTACTTTGTGTACAGTATCTGAACAAGATGGCTGGGAATGAATTCA
 TGGGGTTCAGCAATGCCACATCCAGTCAGAGAAGGAGACTGGGGATCGGAATTACGCCATTGGCTATTA
 CCTCAAGGAGAAGAAGTCTTCCCTAAGGGAGTGGACATGATGGCTGCCCTTGATCTCTATTTCCAGCTG
 TGCTCTGTGGAGTTACCTGTGAGTCAGGCAGTGTGATGGCGGCCACTTTGCCAATGGCGGCATCTGCC
 CCATCACAGGGGAGAGCGTGTGAGTGCAGGAGCCGTGCGCAACACCCCTCAGCCTCATGCACTCCTGTGG
 CATGTATGACTTCTCGGGCCAGTTTGCCTTCCAGTGGGCTGCCAGCCAAGTCAGCTGTGTCTGGGAGCC
 ATCCTCCTGTTGTACCAATGTCATGGGGATGATGTGTCTGTACCCCGTTAGACAAGCTGGGGAACA
 GCCACAGGGGCATCAGCTTCTGCCAGAAGTTGGTGTCTCTGTTTAACTTCCACAACACGACAACCTGCG
 GCACTGTGCTCGGAAGTTAGACCACGGAGGGAAGGGGGGAAGTTGGAACAAGACCGTGGTGAACCTG
 TTATTTGCTGCATATAGTGGAGATGTCTCAGCTCTTCAAGGTTTGCCTTGTCTGCCGTGGATATGGAGC
 AGAAGGACTATGATTCGCCACAGCCCTACATGTGGCGGCAGCGGAAGGACACATTGACGTTGTCAAGTT
 TCTGATCGAGGCTTGCAAAGTGAATCCTTTTGTCAAGGACAGTGGGGCAACATTCCTGGATGATGCC
 GTGCAATCAATCACCTGGAGTGGTCAAAGTCTTCAAGGATTACCATGACTCCTACATGCTGTCTGAGA
 CTC AAGCTGAGGTAGCAGCTGAGACTCTGTCAAAGAGAAGTCTAGAGAGCATGGT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001270786
- Insert Size:** 1809 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001270786.1](#), [NP_001257715.1](#)

RefSeq Size: 2552 bp

RefSeq ORF: 1809 bp

Locus ID: 192268

UniProt ID: [P28492](#)

Cytogenetics: 7q11

Gene Summary: first enzyme of glutamine catabolism in liver [RGD, Feb 2006]
Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.