

Product datasheet for **RN214441**

Gls2 (NM_138904) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gls2 (NM_138904) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gls2
Synonyms:	Ga
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN214441 representing NM_138904
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGCCTCGACTTGGTGACCTGCTTTTCTACACCATTGCAGAGGGGCAGGAACGCATCCCCATCCATA
 AGTTCACCACGGCCCTGAAGGCCACTGGACTGCAGACGTGAGACCCACGGCTCCAGGACTGCATGAGCAA
 GATGCAGCGCATGGTCCAAGAGTCCAGCAGTGGTGGCCTCTGGACCGAGAACTCTTCCAAAAGTGTGTG
 AGCAGCAACATTGTGCTCCTGACTCAGGCATCCGGAAGAAGTTGTCTTCTGACTTTGAGGAGTTCA
 CAGGCCATGTGGATCGTATATTTGAGGATGCCAAAGAGCTCACTGGAGGCAAAGTGGCAGCCTACATCCC
 TCACCTGGCCAAGTCAAACCCAGATCTTTGGGGCGTCTCCCTGTGCACTGGATGGGCAGCGACTCT
 GTGGGCCACACGAAGATCCCTTTCTGCCTACAGTCTGTGCAAGCCACTCACTACGCCATCTCCGTGA
 GCACCTTAGGCACCGACTACGTGCACAAGTTCGTGGGCAAGGAACCCAGTGGTCTGCGCTATAACAACT
 CTCCTCAACGAGGAAGGAATCCCTCATACCCCATGGTCAATGCTGGTGTATTGTGGTCAGCTCCCTG
 ATCAAGATGGACTGTAACAAAGCAGAGAAGTTGACTTTGTGTTACAGTATCTGAACAAGATGGCTGGGA
 ATGAATTCATGGGTTACGAATGCCACATTCCAGTCAGAGAAGGAGACTGGGGATCGGAATTACGCCAT
 TGGCTATTACCTCAAGGAGAAGAAGTGCTTCCCTAAGGGAGTGGACATGATGGCTGCCCTTGATCTCTAT
 TTCCAGCTGTGCTCTGTGGAGGTTACCTGTGAGTCAGGCAGTGTGATGGCGGCCACTCTTGCCAATGGCG
 GCATCTGCCCCATCACAGGGGAGAGCGTGTGAGTGGGAAGCCGTGCGCAACACCCTCAGCCTCATGCA
 CTCCTGTGGCATGTATGACTTCTCGGGCAGTTTGCTTCCACGTGGGCTGCCAGCCAAGTCAGCTGTG
 TCGGGAGCCATCCTCTGGTTGTACCCAATGTCATGGGGATGATGTGTCTGTACCCCCCTTAGACAAGC
 TGGGGAACGCCACAGGGGCATCAGCTTCTGCCAGAAGTTGGTGTCTGTGTTAACTTCCACAACACGA
 CAACCTGCGGCACTGTGCTCGGAAGTTAGACCCACGGAGGGAAGGGGGGAAGTTCGGAACAAGACCGTG
 GTGAACCTGTTATTTGCTGCATATAGTGGAGATGTCTCAGCTCTTCAAGGTTTGCCTTGTGCGCGTGG
 ATATGGAGCAGAAGGACTATGATCCCGCACAGCCCTACATGTGGCGGCAGCGGAAGGACACATTGACGT
 TGTCAAGTTTCTGATCGAGGCTTGCAAAGTGAATCCTTTTGTCAAGGACAGGTGGGGCAACATCCCTG
 GATGATGCCGTGCAGTTCAATCACCTGGAGGTGGTCAAAGTCTCAGGATTACCATGACTCCTACATGC
 TGTCTGAGACTCAAGCTGAGGTAGCAGCTGAGACTCTGTCAAAGAGAAGTCTAGAGAGCATGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_138904

Insert Size: 1608 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_138904.2](#), [NP_620259.2](#)

RefSeq Size: 2247 bp

RefSeq ORF: 1608 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 (3) lacks the first exon and extends 5' into intronic sequence compared to variant 1. The resulting isoform (3) is shorter at the N-terminus compared to 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.