

Product datasheet for RN215171

Gcsh (NM_133598) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gcsh (NM_133598) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gcsh
Synonyms:	MGC108603
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN215171 representing NM_133598 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCTGCGAGTGGTAAGGAGTGTGCGGGCTGTGGCCTGCAGCCTGCGCATCGCCCTGGCCTCTGCC
CGCAAGGCCCTGGCGCCGAGCGCTGCCGCTGTCCGCTCGTGCACCCGGATCTGCTTTGCTCTCGGT
GCGTAAATTCACAGAGAAGCACGAATGGGTAACAGCAAAGGATGGTATTGGAACAGTGGGAATCAGCAAC
TTTGCACAGGAAGCTTTGGGAGATGTTGTTACTGCAGTCTGCCTGAAGTTGGACAAAACCTGAAAAAC
AAGAGGAGTTTGGTGCTTTGAAAAGCGTGAAGGCTGCCAGTGAACCTACTCTCCTCTGTCAGGAGAAGT
AACTGAAGTCAATGAAGCACTTGCCGAAAACCCAGGGCTTGTCACAAATCATGTTACGAAGACGGTTGG
CTGATCAAGATGACACTGAGTGACCCTTCTGAGCTGGATGAATTAATGAGTGAAGAAGCGTATGAGAAAT
ATGTGAAGTCCATTGAGGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_133598
Insert Size:	513 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).



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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_133598.2 , NP_598282.2
RefSeq Size:	1273 bp
RefSeq ORF:	513 bp
Locus ID:	171133
UniProt ID:	Q5I0P2
Cytogenetics:	19q12
Gene Summary:	component of the mitochondrial multienzyme glycine cleavage system (GCS); deficiency of the GCS in human causes nonketotic hyperglycinemia (NKH), an inborn error of glycine metabolism [RGD, Feb 2006]