

Product datasheet for **RN208175**

Gyg1 (NM_031043) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gyg1 (NM_031043) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gyg1
Synonyms:	Gyg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208175 representing NM_031043 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGATCAGGCTTTTGTGACGCTACCACAAACGATGCCTATGCCAAAGGGGCGCTGGTCTGGGCT
CATCTTTGAAACAGCACAGGACTACTAGGAGGACGTTGTACTCGCCAGCCACAGGTTTCAGACTCCAT
GAGAAAAGTTTAGAGACTGTCTTTGATGAAGTCATCATGGTAGATGTCTTGGACAGTGGTGATTCTGCT
CATCTAACCTTAATGAAGAGGCCTGAGTTGGGCATCACGTTGACTAACTCCACTGCTGGTCACTCACTC
AGTATTCCAAATGTGTGTTTCATGGATGCAGATACTCTGGTTCTCTCAAATATTGATGATCTTTTGAAG
AGAAGAATTGTCAGCAGCACCAGACCCAGGGTGGCCTGACTGTTTCAATTCTGGAGTCTTTGTCTATCAA
CCCTCAATTGAAACGTATAACCAGCTGTTGCATCTTGCTTCTGAGCAAGGTAGTTTTGATGGTGGGACC
AGGGCCTACTGAATACATATTTTGTGGCTGGGCAACGACAGATATCACAAAACACTTGCCATTTGTGTA
TAACCTGAGCAGCCTCTCAATATACTCCTACCTCCCGCATTTAAAGCGTTTGGTAAAAATGCCAAAGTT
GTGCACTTCTGGGACGAACCAAGCCATGGAATTACACGTACAATCCCCAAACAAAAGTGCAATGTG
AATCCCAGGACCCAATTGTGAGTCACCCAGAGTTTCTGAACCTGTGGTGGGACACCTTACCACCAATGT
CTTACCCTGCTCCAACACCATGGCCTTGTCAAAGATGCCGTTCTATCTAATGATGGAACATGTCACA
GGAGCCTTGTGACACCTGTCTTTGGGAGGCCCCACCTGCATCACAGCCTTCTTTGTCTCAGAAGAAA
GGAAGGAACGGTGGGAACAGGCCAGGCTGATTATATGGGAGCAGATTCTTTTGATAACATCAAGAGAAA
ACTTGACACTTACCTACAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_031043
Insert Size:	1002 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:	<u>NM_031043.2</u> , <u>NP_112305.1</u>
RefSeq Size:	1621 bp
RefSeq ORF:	1002 bp
Locus ID:	81675
UniProt ID:	<u>O08730</u>
Cytogenetics:	2q24
Gene Summary:	human homolog is an enzyme involved in the de novo synthesis of glycogen in skeletal muscle [RGD, Feb 2006]