

Product datasheet for **RN206473**

Gcs1 (NM_031749) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gcs1 (NM_031749) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gcs1
Synonyms:	Mogs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN206473 representing NM_031749

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCCGGGCGAGAGGCGACGGCGCGCTGCGGCCGAGAGGGGCGCGCCCGCTGGAGAGGGCGCGGG
GTGCGGGCGGCGGGATGGCAGAGCCGGCGGGGCGCGGCTCGGCGGGCGGCGGCCCTGGCCGTGGT
GGTTTTGGCGCTGGCCTTCGGCCTGTGGGGCGCTGGGTGCTGGCGTGGTGGGTGTGCGCCGCGCGCTC
ACACTGCACCCCGCTCCGTACGCGCTACCGCCGACTCCTCCAGTCTGCCGTGGCCCGGAATTTTTTT
GGGGTACCTATCGCCACACGTCTATTTCCGATGAAGACTCGCAGCCCCAAACCACTGCTACGGGACT
GATGTGGGCGCAGCAAGGCGCCACCCGGGGACCCCTCCTAAGCTCAGGCACACATGCGAACAAGGAGAC
GGCGTGGTCCCTATGGCTGGGAGTTCATGATGGACTCTCCTTTGGTCGGCAACATATCTATGATGGG
CCTTAAGGCTCACCACTGAGTTCGTCAAGAGATCTGGGGTTCATCAGGAGGGGATTGGAGCTGGAGAGT
TACCGTAGAGCCTCAGGCCTCAGGTACACCTTCCTTCCCTTTGGTCTCCCTGTTCTCTACGTGGTAACA
GATGGGCAAGAGGTCCTACTACCAGAGGTTGGAGCCAAAGGACAGTTGAAGTTCATCAGTGGGCACACCA
GTGAACCTTGGTGACTTCGCCTCACACTTCTGCCACCAACCACTCCAGGAGACACTGTCCCTAAGCATGG
CAGCTACAATGTCTTCTGGTCTCCAACCCAGGGCTGCCTCTGCTCACAGACATGGTAAAGGCCACCTA
AACAGCTGGTTTTATCACCGGCCCCAGGAGCCTCTCCGGAACGATACCTTGGCTTGCCTGGATCTCTTA
AGTGGGAAGAGAGAGGCCCTAGTGGGCAAGGGCAGTTCCTTGGTCCAGCAGGTGACACTGAAAGCCCTTT
CTCTGTGGAGTTTGTGTTGAATCTGGCAGTGCCAGGACAGGAAGAGACCAAGCCTCTGAGCAGCTGGTA
GGTGGCCAACTGACCCGGGCCCTGGAGAGCCATGCTGCAGCATTCAAGGAGCGTTTTGAGAGGACCTTCC
AGCTAAAGGAGAAGGGCCTGAGCCCTGAGGAGCAGGCTCTGGGTGAGTTGCCCTCAGTGGCCTACTTGG
TGGGATTGGTTACTTCTATGGACAGGGTTTGGTGTGGCAGACACTGGCATGGAAGGGTCTGAACAGAAA
ATGGACCTTCCCTATTTCCGCCTGTCCCTTTTTCTCTGGGGTCCCTTCCCGGTCACTTCTCCACGAG
GCTTCTCTGGGATGAAGGCTTTCACAGCTAGTGGTCCAGCGATGGGATCCCCACCTCACCCGGGAGGC
CCTAGGACACTGGCTGGGCTGCTCAATGCTGACGGTTGGATTGGGCGAGAGCAGATTCTGGGGATGAG
GCCAGAGCCCGAGTGCCCCCGAATTCCTAGTGAACGTGCAGCCATGCCAACCTCCAACCTGCTCC
TGCCAGTCATACACATGCTAGAAGGCCGGGCCCTGAGGACTTGGCCTTCTGCGCAGGGCTTTCCCCCG
CTTGATGCTGCTGTTCTCTTGGCTCCATCAAAGTCAGGCAGGGCCAGTGCCACTTCTACCGCTGGCGG
GGCAGGGATCTAGCTTTGCCTACCTACTTAACCCCAAGACACTGCCCTCGGGCCTGGATGACTACCCCA
GGGCCTCACATCCTTCTGCAGCAGAGCGGCACCTGGACCTGCGGTGCTGGGTGACATTGGGTGCCCGGGT
GCTGTACAGCTTGCAGAAGAGCTTGGGAGACTGAAGCTGCTGCAGAGTTGGGCCCATTTGGCTGCCTCT
CTAGAAGCAGCTGGAAGTCTCGATGAGCTGCACTGGGCTCCTGAGCTGGGTGTCTTTGCCGACTTTGGGA
ACCACACAAAAGCAGTACAGCTCAAGTCTAGGCCCCACAGGGGCTGGTTAGGGTGGTAGGCAGGCCTCC
AGCTCGACTGCAGTATGTGGATGCCCTGGGCTATGTCTCTCTTTTCTTTTCTTGGTGTCTAAGTCTGGAG
CCCAGCTACCCCGCTTGGGACCCCTGCTGGACGTTCTAGCTGATAGCCGCCATCTCTGGAGCCCTTTG
GGTTGCGCTCCCTTTCAGCCTCCAGTCTCTTTATAAACAGCGAAATACGGAACACGATCCACCTTACTG
GCGAGGTGCGGTGTGGCTGAATATCAACTACCTGGCTTTGGGGGCACTACCACTATGGCGGTGTGGAG
GGTCCTCACAAGGTTGAGGCTGCCAACTCTACCGTGAACCTCGGGCCAAATGTAGTAAGCAACGTACGGC
AGCAATACCAGGCTACAGGGTTTCTGTGGAACAGTACAGTGACCAGGATGGGCGGGCATGGGCTGCCG
CCCCTTCAAGGATGACCACTTGTCTTACTGATCATGGCTGAAGAGTACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_031749

Insert Size:

2505 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_031749.2</u> , <u>NP_113937.1</u>
RefSeq Size:	2702 bp
RefSeq ORF:	2505 bp
Locus ID:	78947
UniProt ID:	<u>O88941</u>
Cytogenetics:	4q34
Gene Summary:	human homolog cleaves the distal alpha-1,2-linked glucose residue from Glc(3)-Man(9)-GlcNAc(2); involved in the N-linked oligosaccharide processing pathway [RGD, Feb 2006]