

## Product datasheet for RN209871

### Ugcg (NM\_031795) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ugcg (NM\_031795) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ugcg  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN209871 representing NM\_031795  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCTGCTGGACCTGGCCAGGAGGGAATGGCCTTGTTCGGCTTCGTGCTCTTCGTGGTGCTGTGGC  
TGATGCATTTTCATGTCCATCATCTACACCCGGTTACACCTCAACAAGAAGGCAACAGACAAACAGCCGTA  
CAGCAAGCTCCCTGGAGTCTCTCTTCTGAAACCACTGAAGGGGGTGGACCCTAACCTAATCAACAACCTG  
GAGACATTCTTTGAACTGGATTATCCCAAATATGAAGTACTCCTTTGTGTACAAGATCATGATGCCAG  
CCATTGAGGTGTGTAAGAACTGCTTGGAAAATACCCAAACGTTGATGCTAGATTATTTATAGTGGTAA  
AAAGGTTGGCATTAACTCTAAAATTAATAATTTGATGCCAGCATATGAAGTTGCAAAGTATGATCTCATA  
TGGATTTGTGATAGCGGAATACGAGTCACTCCAGACACATTAAGTACATGGTCAATCAGATGACGGAGA  
GAGTGGGGCTGGTCCACGGGCTTCCATACGTAGCTGACAGACAAGGCTTTGCTGCCACCTTAGAGCAGGT  
ATATTTTGGAACTTCACACCCAAGATCCTATATCTCTGCCAATGTGACCGGCTTCAAGTGTGTGACGGGG  
ATGCTTGTCTTGATGAGGAAGGATGTGCTAGATCAGGCAGGAGGGCTCATAGCCTTTGCTCAGTACATTG  
CGGAAGATTACTTCATGGCCAAAGCAATAGCGGACCGAGGCTGGAAGTTTCAATGTCTACGCAAGTTGC  
CATGCAAACTCTGGTTCATACTCCATTTCTCAGTTTCAATCCAGAATGATCAGGTGGACCAAAATTGAGG  
ATTAACATGCTTCTGCCACAATAATTTGTGAGCCAATTTCAGAATGCTTTGTTGCCAGTTAATTATCG  
GGTGGGACGCCCACCACGTGTTCCGATGGGATATCATGGTTTTCTTCATGTGTCCTGCTGGCATGGTT  
TATATTTGACTACATTCAACTCAGGGGTGTCCAGGGTGGCACACTATGCTTTTCAAACCTTGATTATGCT  
GTGGCTTGGTTCCATCCGGAATCCATGACAATATACATTTTCTGTGGCACTGTGGACCTACTATAA  
GCTGGAGAGCCGGTTCGCTACAGGTTGCGCTGTGGAGGGACGGCCGAGGAGATCCTGGATGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_031795



<b>Insert Size:</b>	1185 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_031795.2</a></u> , <u><a href="#">NP_113983.1</a></u>
<b>RefSeq Size:</b>	3746 bp
<b>RefSeq ORF:</b>	1185 bp
<b>Locus ID:</b>	83626
<b>UniProt ID:</b>	<u><a href="#">Q9R0E0</a></u>
<b>Cytogenetics:</b>	5q24
<b>Gene Summary:</b>	catalyzes the transfer of glucose from UDP-glucose (UDP-Glc) to ceramide to form glucosylceramide [RGD, Feb 2006]