

Product datasheet for **RR209871**

Ugcg (NM_031795) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugcg (NM_031795) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugcg
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209871 representing NM_031795 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGCTGGACCTGGCCAGGAGGGAATGGCCTTGTTGGCTTCGTGCTCTTCGTGGTGTGTGGC
TGATGCATTTTCATGTCCATCATCTACACCCGGTTACACCTCAACAAGAAGGCAACAGACAAACAGCCGTA
CAGCAAGCTCCCTGGAGTCTCTCTCTGAAACCACTGAAGGGGGTGGACCCTAACCTAATCAACAACCTTG
GAGACATTTCTTTGAACTGGATTATCCCAAATATGAAGTACTCCTTTGTGTACAAGATCATGATGCCAG
CCATTGAGGTGTGTAAGAACTGCTTGGAAAATACCCAAACGTTGATGCTAGATTATTTATAGTGGTAA
AAAGGTTGGCATTAAATCCTAAAATTAATAATTTGATGCCAGCATATGAAGTTGCAAAGTATGATCTCATA
TGGATTTGTGATAGCGGAATACGAGTCATTCCAGACACATTAAGTACATGGTCAATCAGATGACGGAGA
GAGTGGGGCTGGTCCACGGGCTTCCATACGTAGCTGACAGACAAGGCTTTGCTGCCACCTTAGAGCAGGT
ATATTTTGGAACTTCACACCCAAGATCCTATATCTCTGCCAATGTGACCGGCTTCAAGTGTGTGACGGGG
ATGCTTGTCTTGATGAGGAAGGATGTGCTAGATCAGGCAGGAGGGCTCATAGCCTTTGCTCAGTACATTG
CGGAAGATTACTTCATGGCCAAAGCAATAGCGGACCGAGGCTGGAAGTTTCAATGTCTACGCAAGTTGC
CATGCAAACTCTGGTTCATACTCCATTTCTCAGTTTCAATCCAGAATGATCAGGTGGACCAAAATTGAGG
ATTAACATGCTTCTGCCACAATAATTTGTGAGCCAATTTCAGAATGCTTTGTTGCCAGTTAATTATCG
GGTGGGACGCCCACCACGTGTTCCGATGGGATATCATGGTTTTCTTCATGTGTCCTGCTGGCAGTGGT
TATATTTGACTACATTCAACTCAGGGGTGTCCAGGGTGGCACACTATGCTTTTCAAACCTTGATTATGCT
GTGGCTTGGTTCCCGCAATCCATGACAATATACATTTTCTTGTGGCACTGTGGACCTACTATAA
GCTGGAGAGCCGGTTCGCTACAGGTTGCGCTGTGGAGGGACGGCCGAGGAGATCCTGGATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR209871 representing NM_031795
 Red=Cloning site Green=Tags(s)

MALLDLAQEGMALFGFVLFVVLWLMHFMSIIYTRLHLNKKATDKQPYSKLPGVSLKPLKGVDPNLINNL
 ETFFELDYPKYEVLCCVQDHDPAIEVCKKLLGKYPNV DARLFIGGKKVGINPKINNLMPAYEVAKYDLI
 WICDSGIRVIPDTLTDVMNQMTERVGLVHGLPYVADRQGF AATLEQVYFGTSHPRYSISANVTGFKCVTG
 MSCLMRKDVLDQAGGLIAFAQYIAEDYFMAKAIADRGWKF SMSTQVAMQNSGSYSISQFQSRMIRWTKLR
 INMLPATIICEPISECFVASLIIGWAAHHVFRWDMVFFMCHCLAWIFDYIQLRGVQGGTLCFSKLDYA
 VAWFIRESMTIYIFLSALWDPTISWRAGRYRLRCGGTAE EILDV

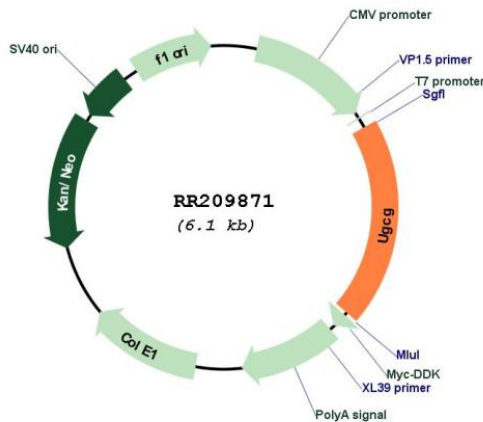
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031795

ORF Size:	1182 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_031795.2 , NP_113983.1
RefSeq Size:	3746 bp
RefSeq ORF:	1185 bp
Locus ID:	83626
UniProt ID:	Q9R0E0
Cytogenetics:	5q24
MW:	44.8 kDa
Gene Summary:	catalyzes the transfer of glucose from UDP-glucose (UDP-Glc) to ceramide to form glucosylceramide [RGD, Feb 2006]