

Product datasheet for **RR208303**

Ugt8 (NM_019276) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugt8 (NM_019276) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ugt8
Synonyms:	Ugt8a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR208303 representing NM_019276
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGTCTTATACTCCATATTTTCATGCTCCTGTGGAGTCTGTTGGAATAGCAAGGGCTGCTAAAATCA
 TCATTGTGCCCAATTATGTTTGAAGCCATTTGTACATTTTCAAGACTAGCATCAGCCTTGCACGA
 GAGAGGCCATCACACTGTGTTCTCCTCTCAGAAGGCAGAGACATTGACCCATCTAATCACTACAGCCTC
 CAGCGATACCCAGGGATCTTCAACAGTACCACCTCAGATGCTTTCCTGCAGTCTAAAATGCGGAATATTT
 TCTCTGGAAGATTGACAGCAGTTGAACTGGTTGACATACTGGATCACTATACTAAGAATTGTGACATGAT
 GGTTGGCAACCAAGCCCTAATCCAGGGTTTGAAGAAAGAAAAGTTTACCTGCTACTGGTTGACCCCAAT
 GATATGTGTGGATTTGTGATCGCTCATCTTTAGGCGTTAAGTATGCTGTGTTTTCTACTGGCCTTTGGT
 ATCCTGCTGAAGTTGGAGCGCTGCTCCTTTAGCTTATGTCCAGAGTTTAACTCACTCCTCACAGACCG
 CATGAACTTCTGAAAGGATGAAAAACAGGCGTTTACCTCATATCCAGAATGGGGTTAGCTTTCTG
 GTTCTTCCGAAATATGAAAGGATAATGCAGAAGTACAACCTGCTCCCTGCAAAGTCCATGTATGATTTGG
 TTCATGGGTCCAGCTTGTGGATGTTATGTACTGACGTAGCACTGGAGTTTCCAAGGCCACCCCTGCCTAA
 CGTTGTATATGTTGGAGGAATCCTAACAAAGCCGGCCAGCCCACTGCCAGAAGATCTGCAGAGGTGGGTA
 GATGGTGCTCAGGAGCATGGCTTTGCTCGGTATCTTTTGGAGCTGGTGTCAAGTATCTGTCAGAAGACA
 TTGCTAACAACTGGCAGGAGCTCTGGGGAGATTGCCCTCAGAAAGTATTGGAGTTTTCTGGAACCAA
 ACCAAAGAACCTAGGAAACAACACTAAGCTCATAGAATGGTTACCTCAAATGACCTGCTGGCCATTCA
 AACATCAGAGCCTTCTAAGCCATGGTGGTTTGAACAGTATATTTGAAACTATGTATCATGGTGTCCCTG
 TAGTAGGAATCCCACTCTTTGGAGACCATTATGATACTATGACTAGAGTACAGGGCAAAGGCATGGGGAT
 CTTGTTAGAATGGAATACAGTTACTGAAGGGGAGCTGTATGATGCACTGGTGAAGTTATCAACAATCCC
 AGTTATCGGCAGAGGGCTCAGAAGTTATCGGAAATTCATAAGGATCAACCCGGCCACCCCTGTCAATCGGA
 CTACCTATTGGATAGACTACATTCTCGCCACGACGGAGCCCATCACCTCCGTTCCGGCTGTCCATCAGAT
 CTCCTTCTGTCAGTATTTTCTACTGGATATTGCCTTTGTGCTTCTGCTTGGTGTGTGCGCTCTACTTC
 ATAGTGTCTATGTGACAAAATTTATCTATAGAAAAGTCAAAGTCTGTGTTCTAGGAGTACGCACAGCA
 CAGTTAATGGACTACCAAAATGGAATCCTCAATGGCAGATACAAGGAAATGGTCATATTAACATGA
 AAAAAAGGTAAAAAAGTAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208303 representing NM_019276
 Red=Cloning site Green=Tags(s)

MKSYTPYFMLLWSAVGIARAANKIIVPPIMFESHLYIFKTLASALHERGHHTVFLLSEGRDIDPSNHYSL
 QRYPGIFNSTTSDAFLQSKMRNIFSGRLTAVELVDILDHYTKNCDMMVGNQALIQGLKKEKFDLLLVDPN
 DMCGFVIAHLLGVKYAVFSTGLWYPAEVGAPAPLAYVPEFNSLLTDRMNFLERMKNTGVYLSRMGVSFL
 VLPKYERIMQYNLLPAKSMYDLVHGSSLWMLCTDVALEFPRTLPNVVYVGGILTKPASPLPEDLQRWV
 DGAQEHGFVLSFGAGVKYLSIEDIANLAGALGRLPQKVIWRFSGTKPKNLGNNTKLEIWLQNDLLGHS
 NIRAFLSHGGLNSIFETMYHGVPVVGIPLFGDHYDTMTRVQAKGMGILLEWNTVTEGELYDALVKVINNP
 SYRQRAQKLEIHKDQPGHPVNRTTYWIDYILRHDAHHLRSVHQISFCQYFLLDIAFVLLLGAVALYF
 IVSYVTKFIYRKVKSLSRSTHSTVNGHYQNGILNGRYKGNHGHKHEKVKKKKGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_019276

ORF Size: 1623 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:

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 Size: 3481 bp

RefSeq ORF: 1626 bp

Locus ID: 50555

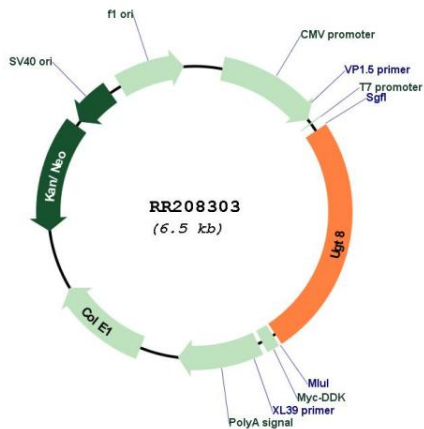
UniProt ID: [Q09426](#)

Cytogenetics: 2q42

MW: 61.1 kDa

Gene Summary: catalyzes the synthesis of galactocerebroside (GalC); important for the development and maintenance of the myelin membranes of the nervous system [RGD, Feb 2006]

Product images:



Circular map for RR208303