

Product datasheet for **RR210180**

Galnt5 (NM_031796) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt5 (NM_031796) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galnt5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR210180 representing NM_031796
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACAAGATCCGAAAGTTTTCCGAGGAAGTGGCGAGTCTTGGCATTATATTTGTAGCTTCTGTCA
 TCTGGCTGCTCTTTGATATGGCAGCTCTCCGCCTCATTTCAGTGAGATCAACACAGGGATACTCAAAGA
 AGATATCATGAGGAGGGAACAGACAGGATTTCAGAGTTGAGGCAGACCAAATGACGATCCTTTCCCCCAGC
 AGCAGAGGGATGAGGCCGCCCGGAATGGAGCGGGAGGCAAGGAGAGCTTTAGAAAGGCTGAGAACCCTG
 TACTCAAGGTTGAGGAGAATGTGGACCAAGTCCAGAGGAAAGGGAAAAATGCAGTTCCTCTGGGAAGGGG
 GAAGGCTGTGCTTTGTGGCATCGTACACATGTGCAAACCCTCCAGTGACACTCCCATGCAGAAGACC
 CAGGGGAGAGACAGCAAGCTGAAGTCTCCTCTGCACATGATGTCCAAGCAGACAACAGTGTAGGGT
 CTGAGAAGGACTCTTTCACAGTGTCAAGAGGAGTTCATTGAACAAAACAGCAGAACATACAGAAACCTT
 AGATAAAAAACAAGAGGCCCCAGAGAATTATAATCTCAGCAGTGATACATCAAAGCAAGCCTCCAAAGG
 GCCTGAATGTGACCATCAGTGTGAGGACTGACAGATCAAAGCAGCAATCACAGACAGTAACAAAATCAA
 GCATACAATTTGCCAGCCTACCAATCCTGAAACCTGAGGAAGTCACGGTCAAAAAGAAAAGTGGAGCTCA
 GGGCAAAGACCTAAAATATGAAGCCATAAAGCGCGCCCTCTTCTAAGTTCAGTGTGATGTGGGTGAT
 TTAAGAAAACAATCTACAAATGAGACAGGATTGGGAGTATTGCCAGAAGCCGATGGGGCCAAAGTGGCGC
 CAGGGAAGAACTAAATTTCTCTGAAAGTCAGATTGTGATTATAACTAAAGAGGAAGGCCAGAAGACAGA
 CACCAAAGAGGTACCTAATTTCTAAAATCCAAACTGTCTCCCTAAATTAAGTGGTAAAGCCAAGGAAAA
 CATATCCCAGGAGTCAGAGCCAGACCTTGTCTCTCCATTAGCTCCAAGAGAGCTGTGTCTCAGTCCA
 AGCCACCTTAGCTGAGGAACCTCATACAGCAAGAAGCAACTTGACTGCCAAGGCCACAACCTGTAGGACA
 CCAGCAAAGCCATGCAAATATCTCTGAAAACCCTGGAAAAGCATCACGTGCTCAGAATCGATGTGACCCCTC
 TCTCAAGAGATCTCAATGCTCCAGGTCAGTTCGGGCGCCCTGTCTGGTTCCTTCCCTGAAAAGAAGAGG
 AGGCTGAACAGAGATGGAAGAAGGAACTTCAATGTCTACCTTAGCGATTTGATTCCAGTGGACAGAGC
 CATTGAAGACACAAGGCCTGCTGGGTGTGCAGAGCAACTAGTTCACAACGACCTCCCAACCACCAGCATC
 ATCATGTGCTTCGTGGATGAGGTGTGGTCTGCTCTCCTGAGGTCGTGCACAGTGTCTCAACCGCTCCC
 CTCCACACCTCATCAAGGAGATTCTGCTGGTGGATGATTCAGCACCAAAGACTACCTGAAAGCTAATTT
 GGATAAATACATGTCTCAGTTTCCAAAAGTTCGGATTCTTCGCCTCAAGGAGAGACATGGCTTGATCAGA
 GCAAGGCTGGCTGGGGCGCAGAATGCAACAGGTGATGTGCTGACATTCTAGACTCCCATGTGGAATGTA
 ATGTGGGCTGGCTGGAACCCCTTCTGGAGAGAGTTTATTTAAATAGAAAGAAAGTGCCTGTCCAGTAAT
 TGAAGTCATCAATGACAAGGACATGAGTTACATGACAGTGGACAACCTCCAAGAGGTTGCTTCCACCTGG
 CCCATGAACTTTGGCTGGAGAACAATCCCTCCAGATGTTATTGCAAAAAATGGAATTAAGAAAACAGATA
 TAATAAGGTGCCAGTCATGGCAGTGGATTATTTCCATTGACAAAAGTTACTTTTATGAACTTGGAAC
 TTATGACCCTGGTCTTGATGTTTGGGGTGGAGAAAATATGGAGCTATCATTCAAGGTCTGGATGTGTGGT
 GGTGAAATCGAGATCATTCCCTGTTCCAGAGTGGGCCACATATTCAGAAATGACAATCCCTACTCCTTCC
 CCAAGGACCGCATGAAGACGGTGAACGGAATCTGGTGGGGTGGTGTGAGTCTGGCTCGATGATACAA
 GGAACCTTCTATGGCCACGGGGATCACCTCATAGACCAAGGGCTGGATGTGGCAACCTCACCCAGCAA
 AGGGAGTTGCGAAAAGAAGCTGAAGTGCCAAAGTTTCAAGTGGTACTTGGACAATGTCTTTCCCGACTTGA
 AGGCGCCTGTTGTAAGAGCTAGTGGTGTGTTTATAATCTGCGCTTGGGCAAGTGTGTTCCATCAAAAA
 TATCACAGTTGCTCTGGAGGACTGCGATGGGAGCAGTGAAGTTCACAAATTAATATACCTGGGTAAAG
 CTTATTAAGCATGGAGAGTGGTGTGTGGCGCCCATCCCTGATAAAGGATCCCTGACGCTGTACCCGTGTG
 ACAACAGAAACAACAGGCTTAAATGGCTGCACAGATCAGCATCTGCCTTTCATCCAGAAGTGGTGGACCA
 CATTGTTTTTAAAGCTATCAGCAGTTATTATGTATGGAAGGGAATTTCTCTCAGAAGACCCCTGAAACTG
 GCTGCTTGAACCCGACGGAACCAACAAAAGTGGAAAATTTGAAAATACTACGATGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RR210180 representing NM_031796
 Red=Cloning site Green=Tags(s)

MNKIRKFFRSGRVLAFIFVASVIWLLFDMAALRSLFSEINTGILKEDIMRREQTGFRVEADQMTILSPS
 SRGMRPPRNGAGGKESFRKAENRVLKVEENVQVQRKGMQFLLGRGKAVSLWHRTHVQTLPTLPMQKT
 QGRDSKPEVSSLHMMSKQTTVLGSEKDSFTVSRGVPLNKTAHTETLDKKQEAPENYNLSSDTSKQASQR
 ALNVTISVRTDRSKQSQVTVKSSIQFASLPILKPEEVTVTKKTEAQQKDLKYEAHKARPLLKFTADVGH
 LKKQSTNETGLGVLPEADGAKVAPGKKNLNFSESQIVIIITKEEGQKTDTKVPSKIQTVPFKLLGESQK
 HIPRSQSQTLSSPLAPKRAVSQSKPTLAELHTARSNLAKATTVGHQQSHANISENPGKHHVLRIDVTL
 SPRDLNAPQGFRPVVPPGKKKEAEQRWKEGNFVYLSLIPVDRAIEDTRPAGCAEQLVHNDLPTTSI
 IMCFVDEVWSALLRSVSVLNRSPPHLIKEILLVDDFSTKDYKANLDKYMSQFPKVRILRLKERHGLIR
 ARLAGAQNATGDVLTFLDSHVECNVWLEPLLERVYLNRRKVACPVIEVINDKMSYMTVDNFQRGVFTW
 PMNFGWRTIPPDVIAKNGIKETDIIRCPVMAGGLFSIDKSYFYELGTYDPLDVWGGENMELSFKVVWCG
 GEIEIIPCSRVGHIFRNDNPYSFPKDRMKTVERNLRVAEVWLDEYKELFYGHGDHLIDQGLDVGNLTQQ
 RELRKKLKCQSFKWYLDNVFPDLKAPVVRASGVFINLALGKCVSIKNITVVLEDCDGSSELQQFNVTWVR
 LIKHGEWCVAIPDKGSLTLYPCDNRRNRLKWLHRSASAFHPELVDHIVFESYQQLLCMEGNFSQKTLKL
 AACNPTEPQQKWKFEKYDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

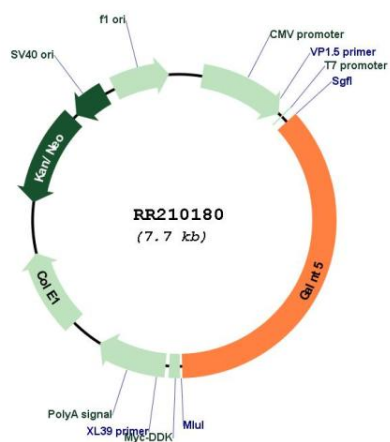
Cloning Scheme:



ACCN: NM_031796

ORF Size:	2790 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_031796.1 , NP_113984.1
RefSeq Size:	3512 bp
RefSeq ORF:	2793 bp
Locus ID:	83627
UniProt ID:	O88422
Cytogenetics:	3q21
MW:	105.1 kDa
Gene Summary:	recombinant proteins display transferase activity in vitro [RGD, Feb 2006]

Product images:



Circular map for RR210180