

Product datasheet for **RR201653**

Galnt4 (NM_001025053) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt4 (NM_001025053) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galnt4
Synonyms:	MGC125173
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR201653 representing NM_001025053
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGTGAGGTGGACATGGGCAGGCAAAAGCTGCCTGCTGCTGGCGCTTTAACACTGGCTTATATTC
 TGGTGGAGTTCTCGGTCTCTACTTTGTATGCCTCCTCGGAGCTGACCGTGCCAGGGAGCTGGGGCCAAG
 GAGACTCTCAGATCATGAGACAAGGAAGAGGATTTGTCTCAGCCTCTTTATAAAAAGCCCCCTGCAGAT
 TCCCATGCTCTTGGGGAATGGGGGAGAGCAAGCAAACCTCCAGCTCGATGAGGGTGAAGTGAAGCAGCAAG
 AAGAACTCATTGAGAGATACGCCATCAACATTTACCTCAGTGACAGGATCTCCCTGCACCGCCACATAGA
 GGATAAAAAGATGTATGAGTGTAAAGCCAAGAAGTCCACTACAGGTCGCTCCCCACCACCTCCGTTATC
 ATCGCCTTTTATAATGAAGCCTGGTCCACTCTGCTTGAACCATTCACAGTGTCTAGAACTTCTCCAG
 CTGTGCTTTTAAAGGAGATCATCTTGGTGGATGACTTAAGTGACAGAATTTATCTGAAGGCTCAACTTGA
 AGCTTATATCAGCAACCTCGATAGAGTTGCTTGAACCAATAAGAGAGAGGGGCTGGTCCGGGCC
 CGTCTGATTGGGGCCACTTTTGCCACCGGGGATGCTCTACTTTCTGGATTGCTACTGTGAGTGTAAACA
 CTGGTTGGTTGGAACCGCTTTTGAAAGGATCAGTAGAGATGAAACAGCAATTGTATGTCCTGTCATCGA
 CACCATCGACTGGAATACTTTTGAATTTCTATATGCAGACCGGGGAGCCATGATTGGTGGTTTTGACTGG
 CGTTTGACCTTCCAGTGGCATTCTGTCCCAAACATGAAAGGGACAGGCGGACATCAAGAATTGACCCCA
 TCAGGTCACCACCATGGCAGGAGGCTGTTTGTCTGTCAGCAAGAAGTATTTTTCAGTACCTGGGAACGTA
 TGACACTGGCATGGAAGTCTGGGGAGGTGAAAACCTTGAGCTGTCTTTCAGGGTTTGGCAGTGGCGGGC
 AAGCTGGAGATCCACCCATGTTCTCACGTGGGCCACGTGTTTCCAAGCGGGCCCTACGCTCGCCCA
 ACTTCTACAGAACCCGCTAGGGCGGCAAGTGTGGATGGATGACTACAAAGAGCATTCTATAAACCG
 GAACCCTCCCGCTCGAAAAGAGACCTATGGCGATATTTTCGAAAAGGAAGTTACTGAGGGAACGGCTGCAA
 TGTAAAGACTTCGACTGGTATTTGAAAAATGTGTTCTCTAACTTACACGTTCCGGAGGATAGACCTGGCT
 GGCACGGAGCCATCCGCAGTATGGGCATCTCTCAGAGTCTTAGATTATAATGCACCGGACAACAACCC
 TACGGGTGCTAACCTTTCGCTGTTTGGATGCCACGGTCAAGGGGCAATCAGTTCTTTGAATATACTTCA
 AACAAAGAAATCAGATTTAATCCGTGACGGAATTATGTGCAGAGGTCCCCAACAAAAGGATTATGTAG
 GGTGCAAAACTGCCCAAAGATGGGCTCCCCATTCCAGTTAACATCATTGGCATTTTAAAGAAGACGG
 GACGATTTTTACCCCTCACACAAGACTGTGTCTTAGTGCTTACCGGACAGCCGACGGCCGACCTAGCGTA
 CAGATGAAAACCTGTGATGCCCTTGATAAAAACCAGATCTGGAGGTTTCAGAAA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201653 representing NM_001025053
 Red=Cloning site Green=Tags(s)

MAVRWTWAGKSCLLLLALLTLAYILVEFSVSTLYASSGADRARELGPRRLSDHETREEDLSQPLYKKPPAD
 SHALGEWGRASKLQLDEGELKQEEELIERYAINIYLSDRISLHRHIEDKRMYECKAKKFHYRSLPTTSVI
 IAFYNEAWSTLLRTIHSVLETS PAVLLKEIILVDDLSDRIYLKAQLEAYISNLDVRVLRIRTNKREGLVRA
 RLIGATFATGDVLTFLDCHCECNTGWLEPLLERISRDETAIVCPVIDTIDWNTFEFYMQTGEMIGGFDW
 RLTFQWHSVPKHERDRRTSRIDPIRSPTMAGGLFAVSKKYFYQLGTYDTGMEVWGGENLELSFRVWQCGG
 KLEIHPCHSHVGHVFPKRAPYARPNFLQNTARAAEVMDDYKEHFYNRNPPARKETYGDISERKLLRERLQ
 CKSFDWYLKNVFSNLHVPEDRPGWHGAIRSMGISSECLDYNAPDNNTGANLSLFGCHGQGGNQFFEYTS
 NKEIRFNSVTELCAEVPPQKDYVGMQNCPKDGLPIPVNIIWHFKEDGTIFHPHTRLCLSAYRTADGRPSV
 QMKTCDALDKNQIWRFEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001025053

ORF Size: 1734 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: [NM_001025053.2](#), [NP_001020224.2](#)

RefSeq Size: 2560 bp

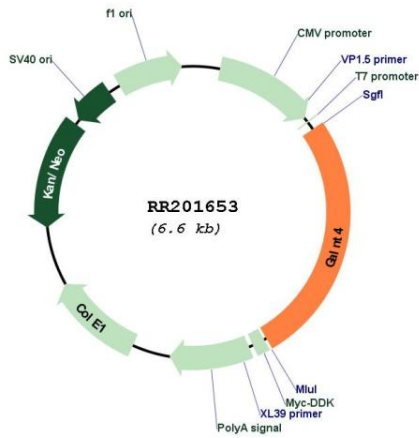
RefSeq ORF: 1737 bp

Locus ID: 500826

Cytogenetics: 7q13

MW: 66.7 kDa

Product images:



Circular map for RR201653