

Product datasheet for **RR209138**

Galnt14 (NM_001012109) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt14 (NM_001012109) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galnt14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR209138 representing NM_001012109
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCGGGCTGACTCGCCGCTTGGCGCTGCCATCTTTGGGGTCTTTGGATCACCGTGTCTGTTCT
 TCTGGGTACCAAGAGGAAGTTGGAGGTGCCGCTGGGACCCGAAGTGACACCCCAAGCCTTCTGATGC
 GGACTGGGATGACCTGTGGGAGCAGTTTGTAGAGCGCGGTATCTGAATGCCAAAAAGTGGCGTGTCCGT
 GATGATCCCTACAAGCTGTACGCTTTCAACCAGCGGGAGAGCGAGCGGATATCCAGCAATCGGGCTGTCC
 CAGACACAGCCATAAGAGATGTTCACTGCTTGTACTGCACGGACCTGCCTCCACCAGCATCATCAT
 CACCTTCCACAACGAGGCACGTTCCACTCTGCTCAGAATATCCGCAGTGTGTTAAACCGCACCCCTATG
 CATCTGATCCAGGAAATCATATTAGTGGATGACTTCAGCAATGACCCTGAGGACTGCAAACAGCTCATCA
 AACTGCCCAAGGTGAAGTGTACGCAACAGTGAAGTCTGGTCCGGTCCCGGATGCGAGGTGC
 TGACATTGCCAAGGCACCACTTGACCTTCTGGACAGCCACTGTGAGGTGAACAGGGATTGGCTGCAG
 CCCTTGTACACAGGGTCAAAGAGGATTACACAAGGGTAGTGTGCCCTGTGATCGACATCAATAACCTGG
 ACACCTTCAACTATATTAGTCTGCCTCAGAGCTCAGAGGGGGTTTACTGGAGCTGCACTTCCAGTG
 GGAGCAGCTCTCCGTAGAACAGAAAGCTTTGCGCCTAGACCCGACTGAGCCCATCCGGACTCCAATCATA
 GCTGGAGGGCTCTTCGTGATTGACAAAGCTGGTTCGATTACCTGGGTAATATGACGTGGACATGGACA
 TCTGGGGTGGGGAGAAGTTGAAATCTCTTCCGAGTGTGGATGTGCGGAGGTGGCTGGAGATCATCCC
 CTGCAGTCGGGTGGGCATGTCTCAGGAAAAAGCATCCATATGTCTTCCCTGATGGCAACGCCAACACA
 TACATAAAGAACCAAGCGGACAGCTGAAGTATGGATGGATGAATACAAGCAATACTACTATGCAGCCC
 GGCTTTTGCCTGGAGAGACCTTTGAAACATTGAGAACAGGCTGAACCTGAGGAAGAATCTGCAGCTG
 TCAGACCTTCAAGTGGTACCTGGAAAATGTCTACCCAGAACTCAGGGTCCCCCAGACTCCTCCATCCAG
 AAGGGCAATATCCGACAGCGGCAGAAAGTGCCTTGAAGTCTCAAAGCAGAAAAACCAAGAGACTCCACACC
 TCAGGCTAAGCCCTGTGCCAAGGTCAAAGGAGATAGAGCAAAGTCTCAGGTGTGGGCCTTACATACAC
 CCAACAGATCATCCAGGAAGAGCTGTGCCTGTCTGTGGTACCCTGTTTCTGGTCCCCAGTAGTTCTT
 GTTCTATGCAAGAATGGGGATGAAAGACAGCAATGGACCAAGACCGGTGCTCGCATTGAGCACATAGCAT
 CCCACCTGCTGGACACGGACATGTTCCGGTACAGCACCAGGATGGCAAGGAGTCTGTGCAACCC
 TTGTGAGTCGTCCTCATGAGCCAGCACTGGGACATTGTGAGCTCA

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209138 representing NM_001012109
 Red=Cloning site Green=Tags(s)

MRRLTRRLALPIFGVLWITVLLFFWVTKRKLEVPLGPEVQTPKPSDADWDDLWEQFDERRYLNKRWVVG
 DDPYKLYAFNQRESERISSNRAVPDTRHKRCSLLVYCTDLPPTSIIITFHNEARSTLLRIRSVLNRTPM
 HLIQEIIIVDDFVNDPEDCKQLIKLPVKCLRNSERQGLVRSRMRGADIAQGTTLTFLDSHCEVNRDNLQ
 PLLHRVKEDYTRVVCVIDIINLDTFNIEASSELRGGFDWSLHFQWEQLSVEQKALRLDPTPIRTPII
 AGGLFVIDKAWFDYLGKYDVMIDIWGGENFEISFRVWMC GGLEIIPCSRVGHVFRKHPYVFPDGNANT
 YIKNTRKTAEVWMDYKQYAAARPFALERPFNGNIENRLNLRKNLHCQTFKWLLENVPELRVPPDSSIQ
 KGNIRQRQKCLEKQKQNETPHLRLSPCAKVKGDRAKSQVWAFYTYTQIIQEELCLSVVTLFPGAPVVL
 VLCKNGDERQQWTKTGARIEHIAHSLCLDMDMGDSTEDGKEVVVNPCESSLMSQHWDIVSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001012109

ORF Size: 1656 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_001012109.1](#), [NP_001012109.1](#)

RefSeq Size: 2310 bp

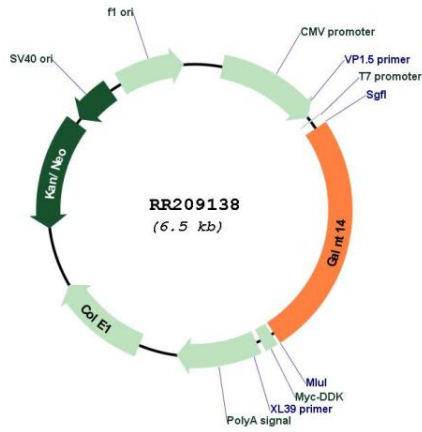
RefSeq ORF: 1659 bp

Locus ID: 313878

Cytogenetics: 6q13

MW: 64.3 kDa

Product images:



Circular map for RR209138