

Product datasheet for **RR200107**

Galnt9 (NM_001122644) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt9 (NM_001122644) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galnt9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR200107 representing NM_001122644
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGTGGCCAGGAAGATCAAACTTTGCTGACGGTCAACATCCTGGTGTTCGTGGGCATCATTCTCT
 TCTCGGTGTACTGCCGCTGCAGGACCGTTCTGAGGCGCTGGTGCAGGTGTCGAGGCGCTGATCGCCG
 GATGCGCAATCGGCTCTCCAAGGCGAGTCTGACTGACCGTGAGGCCATCCTACAGCGCTGGACCAT
 TTGGAGGAGTTGTCTACAACAGCTGAATGGCCTTGCAAAGCCATTGGGCTGGTGGAGGGGCCAGGTG
 GCCTGGGCCAGGGAGGAGTGGCTGCCACTCTGCAAGATGACAGCCAAGAGACCGAGGGCAAGTTCGAGGA
 CTTTGGGTACAATGCACAGCTCAGTGACCGCATCTCCCTGGATAGGACCATCCCTGACTACAGGCCAAAG
 AGGTGCCGACAGATAACGTATTCTGAAGACCTGCCCCAGATCTCTGTGGTCTTCATCTTTGTCAACGAGG
 CACTTTCAGTCATCCTGCGTTCTGTACACAGTGTGGTCAACCACACACCGTCCCAGCTCCTGAAGGAAAT
 CATCCTGGTGGATGACAATAGCGACAATGTGAACTCAAGTTCAATCTGGACCAGTATGTTCAAAAAGG
 TACCCAGGCCCTCGTGAAGTTGTGCGTAACAGCCGTGGGAAGGCCTGATCCGTGCCCGGCTGCAGGGGT
 GGAAGGTGGCCACGGCTCCCATCGTTGGCTTCTTTGATGCCACGTGGAGTTCAACTGGCTGGCTGA
 GCCCGCCCTTGACGGATCCAGGAGGACCGCCGACGCATCATCCTGCCAGCCATCGACAACATCAAGTAC
 AGCACATTTGAGGTGCAGCAGTACGCCAGCGCTGCCACGGCTACAAGTGGGCTGTGGTGCATGTACA
 TCATCCCTCCGACGACTGGCTGGACCGAGGTGACGAGTACAGCCATCAGGACACCCGCCATGATTGG
 CTGTTCAATTTGGTGGACCGGGAGTACTTCGGGGACATGGCCCTCCTGGACCCAGGCATGGAGGTGAT
 GGTGCAGAGAACATCGAAGTGGGATGCGGGTGTGGCAGTGTGGTGGCAGCATGGAGTACTCCCCTGCT
 CCGCTGTGGCCACATTGAGCGTACCAAAAAGCCATATAACAATGACACTCGACTACTACGCAAGCTGAA
 CCGCTGAGGGCCGCGAGGTGTGGATGGATGATTTTAAGTCCCACGTCTACATGGCATGGAATATCCCC
 ATGACAAAACCCAGGAGTGGACTTTGGGGATGTGTCTGAGAGGCTGGCCCTGCGTCAGAAGTTAAAATGCC
 GTAGTTCAAATGGTACCTGGAGAACGTGTACCCGAGATGAGGATCTACAACAACACCCTCACGTACGG
 AGAGGTGAGAAACAGCAAAGCCAGCGGCTACTGCTGGACCAGGGGGCAGAAGACGATGACCGAGCCATT
 CTTTACCCTTGCCATGGCATGTCCTCACAGCTGGTGGCTACAGTGTGATGGCTCCTGCAGCTGGGCC
 CCCTGGGCTTACCGCTTTCTGCCAGACTCCAAGTGCCTGGTAGATGACGGCCGGGACGCATGCCAC
 CCTAAAGAAGTGTGAGGATGTAGCCAGGCTACGCAGAGACTGTGGGACTTACCAGAGTGGCCCCATT
 GTGAGCCGAGACAGGTGGTGTCTGGAGGTAGAGATGTCTAAAGATGCCAACTTTGGGCTGAGGTTGG
 TGGTGCAGCGCTGCTCAGGGCAGAAGTGGATGATCCGAACTGGATCAAACACGCCAAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200107 representing NM_001122644
 Red=Cloning site Green=Tags(s)

MAVARKIKTLLTVNILVFVGIILFSVYQRLQDRSEALVQVVRGADRRMRNRLSKASALTDREAILQRLDH
 LEEVVYNQLNGLAKPIGLVEGPGGLQGQVAATLQDQSQETEGKFEDFGYNAQLSDRISLDRTIPDYRPK
 RCRQITYSEDLPIQISVVFIFVNEALSVILRSVHVSVNHTPSQLLKEIILVDDNSDNVELKFNLDQYVHKR
 YPGLVKVVRNSRREGLIRARLQGWKVA APIVGFDAHVEFNTGWAEPALARIQEDRRRIILPAIDNIKY
 STFEVQQYASAAHGYNWGLWCMYIIPPQDWLDRGDESAPIRTPAMIGCSFVVDREYFGDIGLLDPGMEVY
 GAENIELGMRVWQCGGSMEVLPSCRVAHIERTKKPYNNIDYIYAKRNALRAAEVWDDFKSHVYMAWNIP
 MTNPGVDFGDVSERLALRQKLKCRSFKWYLENVYEMRIYNNLT TYGEVRNSKASGYCLDQGAEDDDRAI
 LYPCHGMSSQLVRY SADGLLQLGPLGSTAFLPDSKCLVDDGRGRMPTLKKCEDVARPTQRLWDFQTSGPI
 VSRDTGRCLEVEMSKDANFGLRLVVQRCSGQKWMIRNWIHKAKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001122644

ORF Size: 1812 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_001122644.1](#), [NP_001116116.1](#)

RefSeq Size: 2858 bp

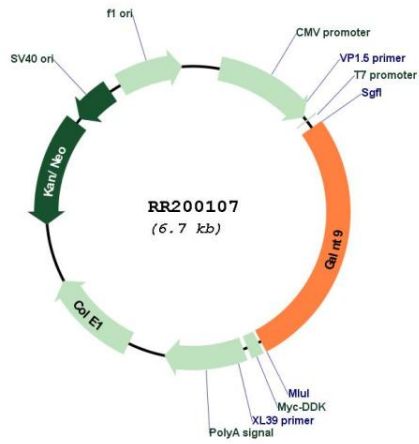
RefSeq ORF: 1815 bp

Locus ID: 304571

Cytogenetics: 12q16

MW: 68.6 kDa

Product images:



Circular map for RR200107