

Product datasheet for **RR214377**

Galnt18 (NM_001079884) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt18 (NM_001079884) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galnt18
Synonyms:	Galntl4; RGD1309623
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214377 representing NM_001079884
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGTGTACCAGGAAGACAAAACCTTTGGTGTCCACTTGCCTGATCCTGAGCGCATGACCAACATCA
 TATGCCTGCTGTACGTGGGCTGGGTACCAACTACATTGCCAGCGTGTATGTGCGGGGCAGGAGCCAGC
 GCCCGACAAGAACTGGAGGAAGATAAAGGGGACACCCTGAAAATTATCGAGCGCTGGACCACTTGGAG
 AATGTCATCAAACAGCATATCCAAGAGGCTCCTGCCAAGCCTGAGGAGGCAGAGGCTGAGCCCTTACGG
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 CCAGGGTCAGCGCTGGAGGGCAGCCACAGCCCTGTGGTGGCACTGTTTCGATGCCCATGTGGAGTTCAA
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 TCCAGCTGGTGTGCAGAAGTGTCTGGGACAACACTGGACTATCACCATGTCCTGAGGAGCCTGGTGT
 C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

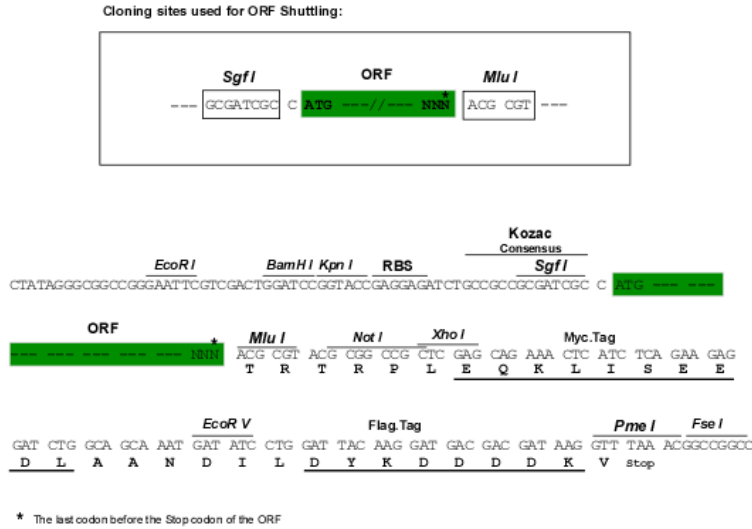
>RR214377 representing NM_001079884
 Red=Cloning site Green=Tags(s)

MVCTRKTKTLVSTCVILSGMTNIIICLLYVGVWNTYIASVYVRGQEPAPDKKLEEDKGDTLKIIERLDHLE
 NVIKQHIQEAPAKPEEAEAEPTDSSLFAHWGQEL SPEGRRLVAKQFQYYGYNAYLSDRLPLDRPLDLR
 PSGRNL SFPDSLPEVSI VIFVNEALSVLLRSIHSAMERTPSHLLKEIILVDDNSNEELKEKL TEYVD
 KVNGQKPGFIKVVRSKQEGELIRSRVSGWRAATAPVVALFDAHVEFNVGWAEPVL TRIKENRKRIISPSF
 DNIKYDNFEIEEYPLAAQGF DWELWCRYLNPPKAWWKENSTAPIRSPALIGCFIVDRQYFEEIGLLDEG
 MEVYGGENVELGIRVWQCGGSVEVLPCSRIAHIERAHKPYTEDLTAHVRRNALRVAEVMDFKSHYMA
 WNIPQEDSGIDIGDITARKALRKQLQCKTFRWYLVSVYPEMRYSDIIAYGVLQNSLKTDLCFDQGPDE
 NVPIVYICHGMTPQNYYTSSQQIHVGLSPTIDDDNRLVDVNSRPRLIECSYAKAKRMLHWQFSQ
 GSIQNRKSKRCLLQENSDFEFGQLVLQKCSGQHWITNVLRLSLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001079884

ORF Size: 1821 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_001079884.1](#), [NP_001073353.1](#)

RefSeq Size: 2546 bp

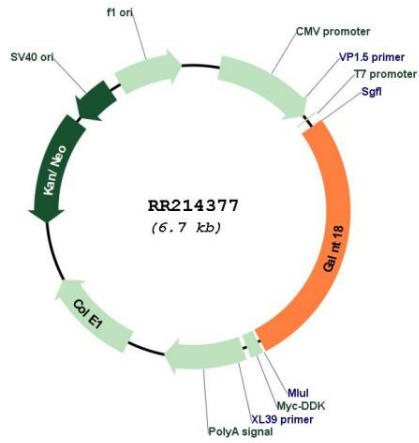
RefSeq ORF: 1824 bp

Locus ID: 293181

Cytogenetics: 1q33

MW: 69.6 kDa

Product images:



Circular map for RR214377