

Product datasheet for **RR201689**

Galns (NM_001047851) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galns (NM_001047851) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galns
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR201689 representing NM_001047851
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGCCTGTTCACAGCGATCAGGGCCAGCAGCTACTGCTGCCGGTACTGAGTGCTCTAGGACTCT
 TGCTGCAGGTGCTCCGAGCCCCCAACATTGTGCTACTGCTCATGGACGATATGGGGTGGGGTGACCT
 GGGTGTGTATGGAGAACCTTCCAGAGAGACCCCAATTTAGACCGGATGGCTGCAGAAGGGATGCTTTTC
 CCAAGTCTCTATTCTGCCAACCTTTGTGCTCACCATCTAGGGCAGCCCTGCTCACAGGACGGTTGCCCA
 TCCGCAATGGCTTCTACACAACCAACGCACATGCAAGGAATGCTTACACACCTCAGGAGATCATGGGCGG
 GATCCCTAACTCAGAACACCTCTGCCTGAGCTCCTGAAGAAAGCAGGCTATACCAACAAGATCGTGGGC
 AAATGGCATCTGGGTCTAGACCCAGTCCACCCCTGAAGCATGGATTTGATGAGTGGTTTGGATCCC
 CCAATTGTCAATTTGACCATACGACAACAAGGTCAAGCCCAACATCCCTGTGTACAGGGACTGGGAAAT
 GGTGGCAGATTTTATGAAGAGTCCCAATCAACCTAAAGACCGGGAAGCTAACCTCACCAACTCTAC
 TTACAAGAAGCTCTGGACTTCATCCGGACACAACATGCAAGGCAGAGCCCTTCTCCTCTACTGGGCCA
 TCGACGCCACACACGCACCAGTGTATGCCTCAAAAACAGTTCTGGGTACCAGCCTTCGAGGGCGTTATGG
 CGATGCTGTCCGGGAAATAGATGACAGTGTGGAAAGATCCTGAGCCTTCTGCAGAACTTGGGCATCAGT
 AAGAACACATTTGCTTCTTTACGTCTGACAATGGTGCAGCGCTCATCTCTGCTCCCAAAGAAGTGGCA
 GCAATGGTCCCTTCTGTGTGGGAAGCAGACTACGTTTGAAGCGGGATGAGGGAGCCTGCAATCGCTTG
 GTGGCCAGGGCACATTGCCGAGCCAGGTGAGCCAGCAGCTGGGAAGCATCATGGACCTTCCACCACC
 AGCCTGTCCCTTGAGCCCTGAAGCCCCCAGTGACAGGGTAATTGATGGCCTTGACCTCCTCCCCACCA
 TGCTCCAGGGCCACATCATAGACAGGCCCATATTTTATTACCGTGGCAACACACTGATGGCAGTCACTCT
 TGGCCAGTACAAAAGCACACCTCTGGACTTGGACCAACTCCTGGGAGGAGTTCAGACAGGGCATTGACTTC
 TGCCCCGGGCAGAATGTTTCAGGAGTCAACAACCCACACCCAGGAAGAGCACACGGAGCTACCCCTGATCT
 TCCACCTGGGACGTGACCCAGGGGAGAGATTCCCACTCAGGTTACCAGCAATGAGTACCAGGATGCCCT
 CAGCAGGACCACCCAGGTATCCAGCAACACCAAAAGTCTTTGGTCCCTGGACAGCCCCAGCTCAATGTG
 TGTAAACCAGGCTGTATGAATTGGGCGCCTCCAGGCTGTGAAAACTAGGGAAAGTGTCTGACACCTCCTG
 AGTCTGTCCCCGAGAAGTGTCTGGGCCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201689 representing NM_001047851
 Red=Cloning site Green=Tags(s)

MTACSTAIRAQQLLLPLVLSALGLLAAGAPQPPNIVLLMDDMGWGD LGVYGEPSRETPNLDRMAAEGMLF
 PSFYSANPLCSPSRAALLTGRLPIRNGFYTTNAHARNAYTPQIEIMGGIPNSEHLLPELLKKAGYTNKIVG
 KWHLGHRPQFHPLKHGFDEWFGSPNCHFGPYDNKVKPNIPVYRDWEMVGRFYEEFPINLKTGEANLTQLY
 LQEALDFIRTQHARQSPFFLYWAIDATHAPVYASKQFLGTSLRGRYGDVREIDDSVGKILSLLQNLGIS
 KNFTVFFTSDNAAALISAPKEGGSNGPFLCGKQTTFEGGMREPAIAWWPGHIAAGQVSHQLGSIMDLFTT
 SLSLAGLKPPSDRVIDGLDLLPTMLQGHIIIDRPIFYRGNLMAVTLGQYKAHLWTWNSWEEFRQGIDF
 CPGQNVSGVTTHTQEEHTEPLIFHLGRDPGERFPLRFTSNEYQDALSRRTQVIQQHQKSLVPGQPQLNV
 CNQAVMNWAPPGCEKLGKCLTPPESVPEKCFWAH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001047851

ORF Size: 1572 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_001047851.1](#), [NP_001041316.1](#)

RefSeq Size: 1575 bp

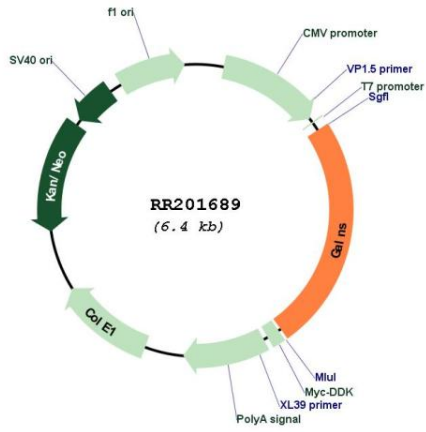
RefSeq ORF: 1575 bp

Locus ID: 292073

UniProt ID: [Q32KJ6](#)

Cytogenetics: 19q12
 MW: 58.3 kDa

Product images:



Circular map for RR201689