

Product datasheet for **RR205860**

Galc (NM_001005888) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galc (NM_001005888) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR205860 representing NM_001005888
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCGCCGCCGCGGGCTCGGCGAGCCGTGTCGCGGTGCCCTTGTGTTGTGCGCGATGCTGGCGCCCA
 GCGGCGCCTACGAGCTAGACGACTCCGACGGGCTGGGCCTGGAGTTCGATGGCATCGGCGCAGTCAGCGG
 CGGCGGGGCAACCTCCCGGCTTCTAGTAAATTACCCAGAGCCCTATCGTTCTGAAATACTGGATTATCTA
 TTTAAGCCAAACTTCGGTGCCTCTCTGCATATTCTAAAAGTGGAAATAGGTGGCGATGGACAAACAACAG
 ACGGCACTGAACCCTCCACATGCACTATGAGCTAGATGAGAATTATTTCCGAGGCTATGAGTGGTGGCT
 AATGAAGGAAGCTAAGAAGAGGAACCCAAATATTATACTATGGGGTTGCCATGGTCATTCCCTGGATGG
 CTGGGCAAAGGCTTCAGTTGGCCTTATGTAATCTTCAGCTGACTGCCTTCTATATTGTGAGATGGATTT
 TGGGTGCCAAGCATTATCATGACCTGGACATTGATTATATTGGGATATGGAATGAAAGGCCGTTTGTATGC
 CAACTATATAAGGAATTAAGAAAAATGCTTGATTATGAAGGTCTCCAGCGAGTGAGAATCATAGCAAGT
 GATAATCTCTGGGAGCCAATTTCTCTTCTGTGCTGCTTGACCAGGAGCTCTGGAAGGTGGTTGATGTTA
 TAGGAGCTCATTATCCCGGAACCTACACAGTCTGGAATGCAAAGATGTCAGGGAAGAAGCTTTGGTTCGTC
 GGAAGACTTTAGCACTGTCAACAGTAATGTTGGCGCAGGCTGTTGGGGTCGCATATTGAACCAGAATTAC
 ATCAACGGCAATATGACCGCCACAATTGCTTGGAAATTTGGTGGCTAGTTACTATGAAGAATTGCCCTATG
 GACGAAGTGGATTGATGACAGCCAGGAGCCGTGGAGTGGACATTATGTAGTAGCATCTCCTATCTGGGT
 ATCAGCTCATACAACCAATTTACTCAACCAGGCTGGTATTACCTGAAGACAGTTGGCCATCTAGAGAAA
 GGAGGAAGCTATGTAGCTCTGACTGATGGCTTGGGGAATTTACCATCATCGTTGAAACTATGAGTCGTC
 AACATTTCTATGTGTATACGGCCATATCTACCGTATTATAATGTCTCACGTCAGCTGGCCACCTTCATTCT
 AAAGGGTCTTTGAAAGAAATACAAGAGCTGCAGGTGTGGTACACCAAGCTTGAACAACACCAGAGAAA
 CTTCAATTTAAACAACCTGAAAACCTATGGCTCCTTGACGGCAGCGGAGTTTCTCACTGGAACCTGGAGG
 AGGATGAGATGTTCACTCACCCTCTGACCACAGGGCACAAGGCAGCTACCGTCCCCCTCCCAAGTC
 ACAGCCCTTCCCAACCAGCTATAAGGATGATTTCAACGTTGAGTACCCATTATTTAGTGAAGCTCCGAAT
 TTTGCTGATCAGACCGCGGTGTTTCGAGTACTACACGAATAACGAAGACCTTGAGCATCGCTTCACTGC
 GCCAAGTTCTCAACCAACGACCTATTACCTGGGCCGCGGATGCCTCCAGCAGATCAGTGTATAGGCGA
 TCACCACTGGAGCAACATGACTGTGCAGTGTGATGTTTACATAGAGACTCCTCGGACTGGCGGTGTGTT
 ATTGCTGGAAGAGTGAATAAAGGTGGTATCTTGATCAGAAGTCTCAGGAGTTTCTTCTGGATTTTGG
 CAAATGGCTCTTACAGAGTTACAGCCGACCTGGGTGGGTGGATAACATATGCTTACAGGACATGCTGACGT
 TACAGCAAAGCGATGGTATACACTCACCTTAGGCATTAAGGGTTATCTCGCCTCTGGTATGTTGAACGGC
 AAGATCCTGTGGGAAAATGTGCCGTGAAATACCCAGGGCATGGCTGGGCTGCGATCGGAACGCATACCT
 TCGAGTTTGCAGTTTGACAACTTTCATGTGGAAGCTGCTCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205860 representing NM_001005888
Red=Cloning site Green=Tags(s)

MTAAAGSASRVAVPLLLCAMLAPSGAYELDDSDGLGLEFDGIGAVSGGGATSRLLVNYPEPYRSEILDYL
 FKPNFGASLHILKVEIGGDGQTTDGTETPSHMHYELDENYFRGYEWLWKEAKKRNPNIIIMGLPWSFPGW
 LGKGFSWPYVNLQLTAFYIVRWILGAKHYHDLIDYIGIWNERPFDANYIKELRMLDYEGLQVRRIAS
 DNLWEPISSSVLLDQELWKVVDVIGAHYPGTYYVWNAKMSGKKLWSEDFSTVNSNVGAGCWGRILNQNY
 INGNMTATIAWNLVASYEELPYGRSGLMTAQEPWSGHYVVASPIWVSAHTTQFTQPGWYWLKTVGHLEK
 GGSYVALTDGLGNFTIIVETMSRQSMCIRPYLPYYNVSRLATFILKGLSKEIQELQVWYTKLGTTPK
 LHFQKLETLWLLDGSGFSLELEEDFTLTTLTGHKGSYRPPPKSQPFPTSYKDDFNVEYPLFSEAPN
 FADQTVGFYYTNNEDLEHRFTLRQVLNQRPIWAAASSTISVIGDHHWSNMTVQCDVYIETPRTGGVF
 IAGRVNKGGLIRTASGVFFWIFANGSYRVTADLGGWITYASGHADVTAKRWYTLTLGIKGYLASGMLNG
 KILWENVPVKYPGHGWAAGTHTFEFAQFDNFHVEAAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001005888

ORF Size: 2004 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_001005888.1](#), [NP_001005888.1](#)

RefSeq Size: 2054 bp

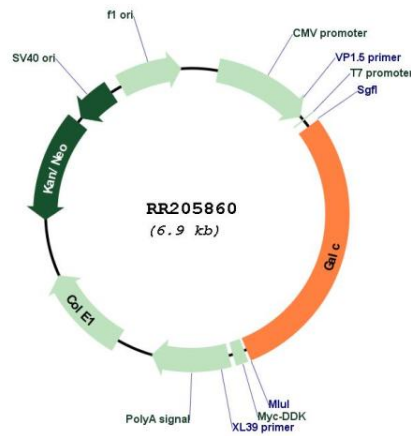
RefSeq ORF: 2007 bp

Locus ID: 314360

Cytogenetics: 6q32

MW: 75.3 kDa

Product images:



Circular map for RR205860