

Product datasheet for **MR207321**

Galk2 (BC079843) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galk2 (BC079843) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galk2
Synonyms:	2810017M24Rik; A1327030; Gk2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207321 representing BC079843
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCGGAGGACCCTGCCACTCGACGAGTCCAGGTGGCAGAACATCCAGATTGCTGAAGCTAAAAG
 AGATGTTTAACTCTAAATTTGGGTCCACACCCAAGTTTTATGTTTCGAGCCCAGGAAGAGTCAACATAAT
 AGGTGAGCACATAGATTACTGTGGATATTCCGTTATTCCCATGGCTGTGGAACAAGACATGTTAATAGCT
 GTGGAACCTGTGAAAACACACTCTCCAAGTGGTAATACAGACCCCTTGATCCAGACTTCAGTACTA
 CAGCTAATAACATCTGTATCGACAAGACCAAACCTCTATGGCACAACACTTCTTGTGTGGCTTTAAGGG
 AATTCAGGAACACTTTGGCCTTAGTAAGCTGCCTGGAATGAATTGCCTGGTAGATGAAAATATACCCCCG
 AGTTCCGGCCTCTCCAGCTCCAGTCTCTGGTTTGTGTGCTGGGTTAGTGACTCTCACGGTCTGGGAC
 TGAGACTTTCCAAGGTGGAAGTGCAGAAATCTGTGCCAAGAGTGAGCGCTACATAGGCACTGAAGTGG
 CGGCATGGACCAGTCCATATCATTCTGCAGAAGAAGGAAGTCCAAGTTAATAGAATTTAGCCCTCTG
 AGAGCGACTAATGTGAAGCTCCCAAGTGGGGCAGTCTTTGTGATTGCCAACAGCTGCATGGAAAATGAACA
 AGGCGGCCACTTCACATTTCAATGTGAGGGTGTGAGAGTGTGACTGGCGGCAAAGGTCCTTGCTAAACA
 CAAAGGCTTGCAATGGGATAATGTCCTGCGGCTAGAGGAAGTGCAAAGCAAACCTCGGGATTAGTCTGGAA
 GAGATGCTGTTGGTACAGAGGATGCCCTTCATCCTGAACCTACAGCCGGGAGGAGATCTGCAGGTGCC
 TGGGAATTAGCCTCGAGAGACTCCGCACCCAAATCCTGACTCCAAATACTCAAGATGAACACACCTTTAA
 GCTCTACCAGCGGGCCAAGCACGTGTACAGTGAAGGCTGCACGCGTGTGCAGTTAAGCAGGTATGTGAA
 GATGCCCAGACAACGCAGTCCAGTCTGGGGAGCTAATGAACCAGAGCCACAGAAGTGGCCGGGACA
 TGTATGAGTGCAGCTGCCCTGAGCTGGACCAGCTAGTGGACATCTGCCGGAAGTTGGGGCCAAAGGCTC
 ACGACTTACTGGAGCAGGATGGGGAGGCTGCACTGTGTCCCTCGTGCCCGCTGACATGCTGTCCAGCTTT
 CTCGCCAGTGTGCACGAAGCTTATTACCAGGGGAACACATCCCGCCTGGCTCAGGAGAAGCATAGCTTGT
 TTGCCACCAAGCTGGAGGCGGGCCTTGGTTTTCCGTGAGGTC

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207321 representing BC079843
 Red=Cloning site Green=Tags(s)

MAAEDPATRRVQVAEHPRLKLEKMFNSKFGSTPKFYVRAPGRVNIIGEHIIDYCGYSVIPMAVEQDMLIA
 VEPVKHTLQLANTDPLYPDFSTANNICIDKTKPLWHNYFLCGFKIQEHFGLSKLPGMNCLVDGNIPP
 SSSLSSSALVCCAGLVTLTVLGLRLSKVELAEICAKSERYIGTEGGMDQSI SFLAEEGTAKLIEFSPL
 RATNVKLPSGAVFVIANSCEMKNKAATSHFNVRVMECRLAAKVLAKHKGLQWDNVLRL EEVQSKLGISLE
 EMLLVTE DALHPEPYSREEICRCLGISLERLRTQILTPNTQDELTFKLYQRAKHVYSEARVLQFKQVCE
 DAPDNAVQLL GELMNQSHRSCRDMYECSCPELDQLVDICRKFAGKGSRLTGAGWGGCTVSLVPADMLSSF
 LASVHEAYYQGNTSRLAQEKHSLFATKPGGALVFREV

SGPTRRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: BC079843

ORF Size: 1374 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: [BC079843.1](#)

RefSeq Size: 1802 bp

RefSeq ORF: 1376 bp

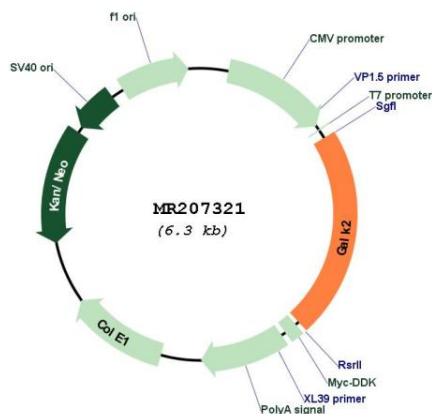
Locus ID: 69976

Cytogenetics: 2 F1

MW: 66 kDa

Gene Summary: Acts on GalNAc. Also acts as a galactokinase when galactose is present at high concentrations (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207321