

## Product datasheet for **MC218411**

### **Galk2 (BC079843) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Galk2 (BC079843) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galk2
Synonyms:	2810017M24Rik; AI327030; Gk2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC079843  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCTGCGGAGGACCCTGCCACTCGACGAGTCCAGGTGGCAGAACATCCCAGATTGCTGAAGCTAAAAG  
AGATGTTTAACTCTAAATTTGGGTCCACACCCAAGTTTTATGTTTCGAGCCCCAGGAAGAGTCAACATAAT  
AGGTGAGCACATAGATTACTGTGGATATCCGTTATTCCCATGGCTGTGGAAACAAGACATGTTAATAGT  
GTGGAACCTGTGAAAACACACTCTCCAAGTGGTAATACAGACCCCTGTATCCAGACTTCAGTACTA  
CAGCTAATAACATCTGTATCGACAAGACCAACCTCTATGGCACAACACTTCTTGTGTGGCTTTAAGGG  
AATTCAGGAACACTTTGGCCTTAGTAAGCTGCCTGGAATGAATTGCCTGGTAGATGGAAATATACCCCCG  
AGTTCGGGCCCTCCAGCTCCAGTGTCTGGTTTGTGTGCTGGGTTAGTGACTCTCACGGTGTGGGAC  
TGAGACTTCCAAGGTGGAACCTGCAGAAATCTGTCCAAGAGTGAGCGTACATAGGCACTGAAGGTGG  
CGGCATGGACCAGTCCATATCATTCTGCAGAGAAGGAAGTCCAAGTTAATAGAATTTAGCCCTCTG  
AGAGCGACTAATGTGAAGCTCCCCAGTGGGGCAGTCTTTGTGATTGCCAACAGCTGCATGGAAATGAACA  
AGGCGGCCACTTCACATTTCAATGTGAGGGTGTGGAGTGTGCTGACTGGCGCAAAGGTCCTGTCTAAACA  
CAAAGGCTTGAATGGGATAATGTCTGCGGCTAGAGGAAGTGCAAAGCAAAGTCCGGATTAGTCTGGAA  
GAGATGCTGTTGGTACAGAGGATGCCCTTCATCCTGAACCTACAGCCGGGAGGAGATCTGAGGTGCC  
TGGGAATTAGCCTCGAGAGACTCCGACCCAAATCCTGACTCAAATACTCAAGTGAACACACCTTTAA  
GCTCTACCAGCGGGCCAAGCAGTGTACAGTGAAGCTGCACGCGTGTGCAGTTTAAAGCAGGTATGTGAA  
GATGCGCCAGACAACGCAGTCCAGTGTGGGGAGCTAATGAACCAGAGCCACAGAAGCTGCCGGGACA  
TGTATGAGTGCAGTCCCTGAGCTGGACCAGTGTGGACATCTGCCGGAAGTTGGGGCCAAAGGCTC  
ACGACTTACTGGAGCAGGATGGGGAGGCTGCACTGTGCCCTCGTCCCGCTGACATGCTGTCCAGCTTT  
CTCGCCAGTGTGCACGAAGCTTATTACCAGGGGAACATCCCGCCTGGCTCAGGAGAAGCATAGCTTGT  
TTGCCACCAAGCCTGGAGGCGGGCCTTGGTTTTCCGTGAGGTCTAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATA  
TCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: BC079843

Insert Size: 1377 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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](#), [AAH79843](#)  
RefSeq Size: 1802 bp  
RefSeq ORF: 1376 bp  
Locus ID: 69976  
Cytogenetics: 2 F1  
Gene Summary: Acts on GalNAc. Also acts as a galactokinase when galactose is present at high concentrations (By similarity).[UniProtKB/Swiss-Prot Function]