

## Product datasheet for **MC227801**

### **Galk2 (NM\_001291002) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Galk2 (NM_001291002) 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:** >MC227801 representing NM\_001291002  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGCGGAGGACCCTGCCACTCGACGAGTCCAGGTGGCAGAACATCCAGATTGCTGAAGCTAAAAG  
 AGATGTTTAACTCTAAATTTGGGTCCACACCCAAGTTTTATGTTTCGAGCCCAGGAAGAGTCAACATAAT  
 AGGTGAGCACATAGATTACTGTGGATATTCCGTTATTCCCATGGCTGTGGAACAAGACATGTTAATAGCT  
 GTGGAACCTGTGAAAACACACTCTCCAAGTGGTAATACAGACCCCTTGATCCAGACTTCAGTACTA  
 CAGCTAATAACATCTGTATCGACAAGACCAAACCTCTATGGCACAACACTTCTTGTGTGGCTTTAAGGG  
 AATTCAGGAACACTTTGGCCTTAGTAAGCTGCCTGGAATGAATTGCCTGGTAGATGAAAATATACCCCCG  
 AGTTCCGGCCTCTCCAGCTCCAGTGTCTGGTTTGTGTGCTGGGTTAGTGACTCTCACGGTCTGGGAC  
 TGAGACTTTCCAAGGTGGAAGTGCAGAAATCTGTGCCAAGAGTGAGCGCTACATAGGCACTGAAGGTGG  
 CGGCATGGACCAGTCCATATCATTCTTGCAGAGAAGGAAGTCCAAGTTAATAGAATTTAGCCCTCTG  
 AGAGCGACTAATGTGAAGCTCCCAGTGGGGCAGTCTTTGTGATTGCCAACAGCTGCATGGAAATGAACA  
 AGGCGGCCACTTCACATTTCAATGTGAGGGTGTGGAGTGTGCGACTGGCGGCAAAGGTCCTTGCTAAACA  
 CAAAGGCTTGCAATGGGATAATGTCTGCGGCTAGAGGAAGTGCAAAGCAAACCTCGGGATTAGTCTGAA  
 GAGATGCTGTTGGTCACAGAGGATGCCCTTCATCTGAACCCTACAGCCGGGAGGAGATCTGCAGGTGCC  
 TGGGAATTAGCCTCGAGAGACTCCGCACCCAAATCCTGACTCCAAATACTCAAGATGAACACACCTTTAA  
 GCTCTACCAGCGGGCCAAGCACGTGTACAGTGAAGGCTGCACGCGTGTGCAGTTAAGCAGGTATGTGAA  
 GATGCCAGACAACGCAGTCCAGTGTGGGGAGCTAATGAACCAGAGCCACAGAAGCTGCCGGGACA  
 TGTATGAGTGCAGCTGCCCTGAGCTGGACCAGTGTGGACATCTGCCGGAAGTTGGGGCCAAAGGCTC  
 ACGACTTACTGGAGCAGGATGGGGAGGCTGCAGTGTGTCCCTCGTGCCCGCTGACATGCTGTCCAGCTTT  
 CTCGCCAGTGTGCACGAAGCTTATTACCAGGGAAACACATCCCGCCTGGCTCAGGAGAAGCATAGCTTGT  
 TTGCCACCAAGCTGGAGGCGGGCCTTGGTTTTCCGTGAGGCT**TAA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001291002

**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).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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\\_001291002.1](#), [NP\\_001277931.1](#)

**RefSeq Size:** 2523 bp

**RefSeq ORF:** 1377 bp

**Locus ID:** 69976

**UniProt ID:** [Q68FH4](#)

**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]  
Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (a).