

Product datasheet for **MC216004**

Galk2 (NM_175154) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galk2 (NM_175154) 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: >MC216004 representing NM_175154
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCGACCTATCTGAAAGATTGCTGAAGCTAAAAGAGATGTTAACTCTAAATTTGGGTCCACACCCA
AGTTTTATGTTTCGAGCCCAGGAAGAGTCAACATAATAGGTGAGCACATAGATTACTGTGGATATTCCGT
TATTCCCATGGCTGTGGAACAAGACATGTTAATAGCTGTGGAACCTGTGAAAACACACACTCTCCA
GCTAATACAGACCCCTTGTATCCAGACTTCAGTACTACAGCTAATAACATCTGTATCGACAAGACCAAAC
CTCTATGGCACAACACTTCTTGTGTGGCTTTAAGGGAATTCAGGAACACTTTGGCCTTAGTAAGCTGCC
TGGAAATGAATTGCCTGGTAGATGGAAATATACCCCGAGTTCGGGCCTCTCCAGCTCCAGTGTCTGGTT
TGCTGTGCTGGTTAGTACTCTCACGGTGTGGGACTGAGACTTTCCAAGGTGGAACCTGCAGAAATCT
GTGCCAAGAGTGAGCGCTACATAGGCACTGAAGGTGGCGCATGGACCAGTCCATATCATTCTTGCAGA
AGAAGGAACTGCCAAGTTAATAGAATTTAGCCCTCTGAGAGCGACTAATGTGAAGCTCCCAGTGGGCA
GTCTTTGTGATTGCCAACAGCTGCATGGAAATGAACAAGCGGCCACTTCACATTTCAATGTCAGGGTGA
TGGAGTGTGACTGGCGCAAAGGTCCTTGTCTAAACACAAAGGCTTGCAATGGGATAATGTCCTGCGGCT
AGAGGAAGTGCAAAGCAAACCTCGGGATTAGTCTGGAAGAGATGCTGTTGGTCCACAGAGGATGCCCTTCAT
CCTGAACCCTACAGCCGGGAGGAGATCTGCAGGTGCCTGGGAATTAGCCTCGAGAGACTCCGCACCCAAA
TCCTGACTCCAAATACTCAAGATGAACTCACCTTTAAGCTCTACCAGCGGGCCAAGCAGTGTACAGTGA
GGCTGCACGCGTGTGCAGTTAAGCAGGTATGTGAAGATGCCCAGACAACGCAGTCCAGCTGTGGGG
GAGCTAATGAACCAGAGCCACAGAAGCTGCCGGGACATGTATGAGTGCAGCTGCCCTGAGCTGGACCAGC
TAGTGGACATCTGCCGGAAGTTTGGGGCAAAGGCTCAGCACTACTGGAGCAGGATGGGAGGCTGCAC
TGTGTCCCTCGTGCCTGACATGCTGTCAGCTTTCTCGCCAGTGTGCACGAAGCTTATTACCAGGGG
AACACATCCCCTGGCTCAGGAGAAGCATAGCTTGTGTTGCCACCAAGCCTGGAGCGGGGCTTGGTTT
TCCGTGAGGCT**TAA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_175154

Insert Size: 1344 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: [NM_175154.3](#), [NP_780363.1](#)

RefSeq Size: 2629 bp

RefSeq ORF: 1344 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]
Transcript Variant: This variant (2) contains an alternate 5' terminal exon, and it thus differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than isoform a.