

Product datasheet for **RN206485**

Galk2 (NM_001013919) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Galk2 (NM_001013919) Rat Untagged Clone
Tag: Tag Free
Symbol: Galk2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN206485 representing NM_001013919
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGCGGAGGACCCCGCCACGCGCAGTCCAAGTGGCAGAACACCCAGATTGCTGAAGCTAAAAG
AGATGTTCAACTAAGTTTGGGTCCACACCCAAGTTTTATGTTTCGAGCCCCAGGAAGAGTGAACATAAT
AGGTGAGCACATAGATTACTGTGGTACTCTGTTCTCCCATGGCTGTGGAGCAGGACATGCTAATAGCT
GTGGGACCTGTGAAAACCCAGACTCTCCAAGTGGCCAATACAGACCCCTGTATCCAGACTTCAGTACTA
CAGCTAATAACATCTGTATCGACAAGACCAACCTCTATGGCACAACACTTCTATGTGGATTTAAGGG
AATTCAGGAACACTTTGGTCTTACTCAGCTGCCTGGAATGAATTGCCTGGTGGATGGAAATATACCCCG
AGTTCAGGCCTCTCCAGCTCCAGTGTCTGGTTTGTGCGCTGGGTTAGTGACTCTCACAGTGTGGGAA
TGAGACTATCCAAGGTGGAACCTGCAGAAATCTGTGCAAGAGTGAGCGTTACATAGGCACCGAAGGCGG
AGGCATGGACCAGTCCATATCATTCTTGCAAGAAAGGAAGTCCCAAGTTAATAGAATTTAGTCTCTG
AGAGCGACTGATGTGAAGCTCCCAGTGGAGCAGTCTTCGTGATTGCCAACAGCTGTGTGGAAATGAACA
AGGCAGCCACTTCACATTTCAACGTGAGGTGATGGAGTGTGCGCTGGCGCAAAGTCTTGTCTAAACA
CAAAGGCTTGCAATGGGATAAAGTCTGAGGCTAGAGGAAGTACAAGCGAACTAGGAATTAGTCTGGAA
GAGATGCTATTGGTCCAGAGGATGCCCTTCATGCAGAACCTACTCAAGGGAGGAGATCTGTAAGTGCC
TGGGAATTAGCCTGGAGGAACTCCGCACCCAAATCCTGAGTCCAATACTCAAGGCGAACTCACCTTCAA
GCTCTACCAGCGGGCCAAGCATGTGTACAGTGAAGCTGCACGTGTGCTGCAGTTCAAGCAGGTGTGCGAA
GCAGCACCAGACAACGCCGTCCAGCTGCTGGGCGAGCTGATGAACCAGAGCCACAGAAGCTGCCGGGACA
TGTATGAGTGCAGCTGCCGGAATTGGATCAGCTAGTGGACATCTGCCGGAAGTTGGGGCCAAAGGCTC
ACGACTTACTGGAGCCGGATGGGAGGCTGCACGTGTCCCTCGTGCCTGCTGACACGCTGTCCAGCTTC
CTCGAAGCGTGATGAGGCTTACTACAGGGGAACATGTCCGCTGGCTCGGGAGAAGCATAGCTTGT
TTGCTACCAAGCCTGGAGGTGGGCCCTTGTTTTCTTGAGGCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001013919
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:	<ol style="list-style-type: none">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:	<u>NM_001013919.1</u> , <u>NP_001013941.1</u>
RefSeq Size:	1797 bp
RefSeq ORF:	1377 bp
Locus ID:	296117
UniProt ID:	<u>Q5XIG6</u>
Cytogenetics:	3q36
Gene Summary:	Acts on GalNAc. Also acts as a galactokinase when galactose is present at high concentrations (By similarity).[UniProtKB/Swiss-Prot Function]