

## Product datasheet for **RN203836**

### **Galk1 (NM\_001008282) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Galk1 (NM\_001008282) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Galk1  
**Synonyms:** Galk; Glk  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN203836 representing NM\_001008282  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTGCTTGGAGACCGCCCCGGGTTGAGGAGCTGCTGGCCGAGGCCCGGGCCTTCATGGAGGAGT  
TTGGAGCCGAGCCGGAGCTGGCAGTGTCCGGCCCTGGCCGCTCAACCTCATCGGGAGCACACGGATTA  
CAACCAGGGCCTGGTGTGCCATGGCTCTGGAGCTTGTGACGGTGATGGTTGGCAGCCCCGGACAGAT  
GGGCTTGTCTCTCTCCTACCCTTCCAAAGATGCAGACGAGCCCCAGCGACTGCAGTTCCTCACTGCCCT  
CAGCCCCAGTGGTCTTGGAGCCTGGAATCCACAGTGGGCCAATTATGTCAAGGGAGTGATTCAAGTATTA  
CCCAGCTTCCCCTCTCTGTGGCTTCAGCGCAGTGGTGGTCACTCAGTGCCTGGGGGGTGGTCTTTCC  
AGCTCAGCTTCTCTGGAAGTGGCCACGTACGCCTTCTCCAGCAGCTCTGCCAGACTCGGGGTCAATAG  
CCGCTCGGGCCAGGTGTGTCAACGGGCTGAGCACAGCTTCGCAGGGGTGCCCTGTGGCATATGGACCA  
ACTCATCGCACTGCTGGGGCAGAAAGGCTATGCCTACTCATTGACTGCAGGTCCCTGGAAACAAGCCTG  
GTGCCGTGTGAGACCCTAAGCTGACCGTGTCTATCACCACCTCAATGTCCGCCATTCCCTGGCCTCCA  
GCGAGTACCCGATTCTGTCGGCGCCAGTGTGAAGAGGTGGCCAGGCCCTGGGCAAGGAGACCTTCGGGA  
GGTGCAGATGGAGAACTTGAGGCGGGCAGGGAGCTGATGAGCAAGGAGGGTTTCCGCGGGCCCGGCAC  
GTGGTTAGCGAGATCCGCGCAACAGCCCAGGGAGCAGCTGCTCTGAGCCGAGGAGACTATAAGGCCTTTG  
GACGTCTCATGGTGGAGAGTCACTATCCCTCAGAGATGACTATGAGGTGAGTGCCTGAGCTGGACCT  
ATTGTTGAGGCTGCGCTCTCTGTGCCTGGAGTTTACGGCAGTCGCATGACAGGCGGTGGCTTCGGCGGC  
TGCACTGTACGTTGCTGGAGGCCTCTGTTGCCCCCTTGTGCATGCATCACATACAGGAGCAGTACAGCG  
GGACAGCCACCTTCTACCTCACTCAAGTGCAGTGGAGCCAGGTGCTGAGCTT**GTA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



<b>ACCN:</b>	NM_001008282
<b>Insert Size:</b>	1179 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001008282.1, NP_001008283.1</u>
<b>RefSeq Size:</b>	1486 bp
<b>RefSeq ORF:</b>	1179 bp
<b>Locus ID:</b>	287835
<b>Cytogenetics:</b>	10q32.1
<b>Gene Summary:</b>	human homolog catalyzes the conversion of ATP and D-galactose to ADP and D-galactose 1-phosphate in galactose metabolism [RGD, Feb 2006]