

Product datasheet for RN210973

Pgk1 (NM_053291) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pgk1 (NM_053291) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Pgk1
 Synonyms: Pgk
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN210973 representing NM_053291
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGCTTTCTAACAGCTGACTTTGGACAAGCTGGACGTGAAGGGGAAGCGGGTCTGATGAGGGTGG
 ACTTCAATGTTCCATGAAGAACAACAGATAACGAATAACCAAAGGATCAAGGCTGCTGTCCCAAGCAT
 CAAATTCTGCTTGGACAATGGAGCCAAGTCGGTTGTGCTTATGAGCCACCTGGGCCGCTCTGATGGTGTG
 CCCATGCCGACAAGTACTCCTTAGAGCCAGTTGCTGCAGAACTCAAATCTCTGCTGGGCAAGGATGTC
 TGTTCCTGAAGGATTGTGTGGGCTCAGAAGTAGAGAATGCCTGTGCCAACCCAGCGGCTGGGACTGTCAT
 CCTCTGGAGAACCTCCGCTTTCATGTAGAGGAAGAAGGGAAAGGAAAAGATGCTTCTGGGAACAAGTT
 AAAGCTGAGCCAGCTAAAATTGATGCTTCCGAGCCTCCCTGTCCAACTTGGAGATGTCTATGTCAATG
 ATGCTTTTGGGACTGCACACAGAGCCCACAGTTCCATGGTGGGTGTGAATCTGCCACAGAAGGCTGGTGG
 ATTTTTGATGAAGAAGGAGCTGAAGTTCAGACAAGATCCAGCTGATCAATAATATGCTAGACAAAGTCAATGAGA
 TGATCATCGGTGGGGAAATGGCTTTTACCTTCCCTAAGGTGCTCAACAACATGGAGATTGGCACATCTCT
 GTATGATGAAGAGGGAGCCAAGATTGTCAAAGATCTCATGGCCAAAGCTGAGAAAAATGGTGTGAAGATT
 ACCTTGCTGTTGACTTTGCTCACTGCTGACAAATTTGATGAGAATGCAAAGACTGGCCAAAGCTACTGTGG
 CCTCTGGTATACCTGCTGGCTGGATGGCTTGGACTGTGGTACTGAGAGCAGTAAGAAAATATGCTGAGGC
 TGTGGCTCGAGCTAAGCAGATTGTTGGAACGGTCTGTTGGGGTATTTGAATGGGAAGCCTTTGCCAGG
 GGAACCAAGTCCCTCATGGATGAGGTGGTAAAAGCCACGTCTAGGGGCTGCATCACTATCATAGGAGGCG
 GAGACACCGCCACTTGCTGTGCCAAATGGAACACAGAGGATAAAGTCAGCCATGTGAGCACTGGGGGCGG
 CGCCAGCTAGAGCTCCTGGAAGGTAAGTCTTCTGGGGTGGATGCTCTCAGCAATGTT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja1785_a05.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_053291
Insert Size:	1254 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	NM_053291.3 , NP_445743.2
RefSeq Size:	1685 bp
RefSeq ORF:	1254 bp
Locus ID:	24644
UniProt ID:	P16617
Cytogenetics:	Xq22
Gene Summary:	kinase enzyme that is important for phosphoprotein glycolysis [RGD, Feb 2006]