

Product datasheet for **RR208012**

Pgk2 (NM_001012130) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgk2 (NM_001012130) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgk2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208012 representing NM_001012130 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCTTTCTAGTAAGTTGACTCTGGACAAAGTGGATGTTAAGGAAAAAGATCATCATGAGAGTAG
ATTTCAACGTTCCCATGAAGAATAACCAAATTACAAACAACCAGAGAATCAAGGCTGCCATCCCAAGCAT
CAAATACTGTCTGGACAATGGAGCCACGTCCTAGTTCTCATGAGTCACCTCGGCCGGCCTGATGGTATC
CCCATGCCGGACAAATACTCATTACAGCCTGTTGCTGCTGAGCTCAAGTCCCTACTGAACAAGGAGGTTA
TATTCTTAAAGGACTGTGTGGGCTCTGAAATAGAGAAAGCCTGTGCCAACCCAGGTAAAGGCTCTGTAAT
CCTTCTGGAGAACCTGCGCTTTCATGTGGAGGAAGAAGGGAAGGGTAAAGATGCTTCTGGACAAAAGATT
ACCGCTGAGCCTGATAAAGTGGAAAGCCTCCGAGCTTCACTGTCCAAACTCGGTGATGTCTACGTCAACG
ATGCTTTTGGCACTGCACATCGGGCTCACAGTTCATGGTGGGAATAAATTTGCCCCAGAAGGCATCTGG
GTTCTCATGAAGAAGGAGCTAGATTATTTTTCCAAGTCTTAGAAAAGCCAGAGAGGCCCTTCTGGCT
ATTCTTGGTGGACCAAAGTGACAGACAAGATCCAACCTTATCAAAAATATGTTAGACAAAGTCAATTTCA
TGATTATTGGTGGTGGCATTGGCTTTCACCTTCTGAAAGAAGTCAAGAACATGAAGATTGGTCTTCTT
GTTTGATGAAGACGGAGCCAAGATCGTCAAAGAGATCATGGACAAGGCAGAAAAGATGGCGTAAAGATA
ACCTTTCCTGTTGACTTTGTTACCGGTGACAAGTTTGATGAGCATGCTAAAGTTGGACAAGCCACTGTAG
AATCTGGTATACCATCTGGCTGGATGGGTTTGGATTGCGGCCCTGAGAGCATTAAAAACAATGCTCAAA
TGTGGCCCAAGCAAAGCTGATTGTTTGGAAATGGACCTCTGGGGTATTGGAATGGGATGGCTTTGCTAAG
GGAACCAAAGCCCTCATGGATGAAGTTGTAAGGCCACCTCCAATGGCTGTATCACCATCATAGGAGGCG
GGGACACTGCTACTTGTGTGCCAAATGGAACACTGAAGACAAGGTCAGCCATGTGAGCACAGGAGGCGG
GGCAAGTCTTGGCTTCTGGAAGGCAAAACCCTTCCAGGGGTAGAGGCCCTCAGCAACATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208012 representing NM_001012130
Red=Cloning site Green=Tags(s)

MALSSKLTLDKVDVKEKRVIMRVDFNVPKMNNQITNNQRIKAAIPSIKYCLDNGATSVVLMMSHLGRPDGI
 PMPDKYSLQPVAELKSLLNKDVIFLKDCVGEIEKACANPGKGSVILLENLRFHVEEKGKGDASGQKI
 TAEPDKVEAFRASLSKLDVYVNDAFGTAAHRAHSSVMGINLPQKASGFLMKKELDYFASKVLEKPERPFLA
 ILGGAKVTDKIQLIKNMLDKVNFMIIGGAMAFTFLKELKNMKIGASLFDGAKIVKEIMDKAEKNGVKI
 TFPVDFVTGDKFDEHAKVGQATVESGIPSGWMLDCGPESIKNNAQIVAQAKLIVWNGPLGVFEWDGFAK
 GTKALMDEVVKATSNGCITIIGGDATCAKWNTEKDVSHVSTGGASLELLEGGKTLPGVEALSNM

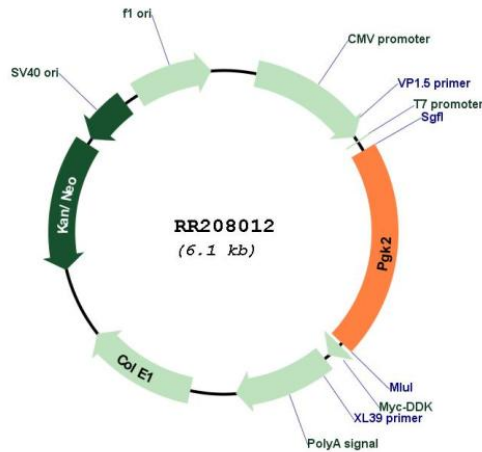
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012130

ORF Size:	1251 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001012130.1 , NP_001012130.1
RefSeq Size:	1590 bp
RefSeq ORF:	1254 bp
Locus ID:	316265
Cytogenetics:	9q13
MW:	45 kDa