

Product datasheet for **RR206378**

Phgdh (NM_031620) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phgdh (NM_031620) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Phgdh
Synonyms:	MGC105399
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR206378 representing NM_031620
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTTCGCAATCTGCGCAAAATACTCATCAGTGATAGCCTCGACCCTGCTGCCGGAAGATCCTGC
 AAGATGGAGGGCTGCAGGTGGTGGAGAAGCAGAACTTGAGCAAGGAGGAGCTGATAGCCGAACCTCAGGA
 CTGTGAAGGCCTTATCGTCCGGTCAGCTACTAAGGTCAGTCTGATGTCATCAATGCAGCAGAGAAGCTC
 CAGGTGGTGGCAGGGCTGGTACAGGCGTGGACAATGTGGATCTGGAGGCTGCCACAAGGAAGGGCGTCC
 TCGTCATGAACACCCCAATGGAATAGCCTCAGTCTGCGGAACTCACCTGTGGGATGCTCATGTGCCCT
 GGCCAGGCAGATCCCCAGGCGACGGCTTCGATGAAAGATGGCAATGGGACCGGAAGAAGTTCATGGGG
 ACAGAGCTGAACGGGAAGACTGGGAATTCCTGGCCTGGGCAGAATTGGAAGAGAGGTGGCCGCCCGAA
 TGCAGGCCCTTGGAAATGAAGACTGTAGGCTATGACCCCATCATTCTCCAGAAGTCGCTGCCTCCTTTGG
 TGTTTCAGCAGCTGCCGCTAGAGGAGATCTGGCCTCTCTGTGATTCATCACTGTCCATACCCCGCTCCTG
 CCCTCCACTACAGGCTTGTCAATGACAGCACCTTTGCCAGTGAAGAAAGGCGTGCAGGCTGGTGAAGT
 GTGCTCGAGGAGGCATTGTGGATGAAGGTGCCCTGCTCCGTGCCCTGCAGTCTGGTCAGTGTGCTGGTGC
 TGCACTGGATGTGTTACAGAAGAGCCACCACGGGACCGGCCTTAGTGGACCACGAGAAGCTCATCAGC
 TGTCCCCACCTGGGCGCCAGCACCAAGGAGGCCAGAGCCGCTGTGGGGAGGAAATCGCAGTCCAGTTTG
 TGGACATGGTGAAGGGGAAATCTCTAACAGGGTGTAAACGCCAGGCTCTTACCAGTGCCTTCTCTCC
 ACACACCAAGCCTTGATTTGGTCTGGCAGAAGCATTGGGCACACTGATGCACGCCTGGGCTGGCTCCCCT
 AAAGGGACCATCCAGTGGTGGTACACAAGGAACATCTCTGAAGAATGCTGGGACCTGCCTGAGCCCTGCGG
 TCATTGTGCGCCTTCTGAGAGAAGCATCAAACAGGCAGATGTGAACCTGGTGAACGCTAAGCTACTGGT
 GAAAGAGGCTGGCCTCAATGTCAACACCTCCACAGTCCCTGGTGTCCAGGAGAGCAGGGCATCGGGGAA
 TGCCCTCTGACTGTGGCCTTGGCAGGTGCTCCCTACCAAGCTGTGGGCTTGGTCCAGGGCACCACACCAA
 TGTTGCAGATGCTCAACGGAGCTGTCTTCAGGCCAGAGGTGCCTCTACGCAGGGGCCAGCCCTGCTCCT
 GTTCCGGGCTCAGCCCTCCGACCCTGTCATGCTGCCACTATGATCGGCCTACTGGCAGAGGCGGGGTA
 CAGCTGCTGTCTACCAGACCTCAAGGTGTCTGACGGAGACACTTGGCACGTCATGGGCCCTCTCTCC
 TACTGCCAGCCTGGACGCATGGAAGCAGCATGTTTCTGAGGCTTCCAGTCTGCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206378 representing NM_031620
 Red=Cloning site Green=Tags(s)

MAFANLRKILISDSLDPCCRKILQDGLQVVEKQNL SKEELIAELQDCEGLIVRSATKVTADVINAEEKL
 QVVGRAGTGVDNVDLEAATRKGVLVMNTPNGNSLSAAELTCGMLMCLARQIPQATASMKDGKWRKKFMG
 TELNGKTLGILGLGRIGREVAARMQAFGMKTVGYDPIISPEVAASFQVQQLPLEEIWPLCDFITVHTPLL
 PSTTGLLNDSTFAQCKKGVVVNRCARGIVDEGALLRALQSGQCAGAALDVFTTEPPRDRALVDHENVIS
 CPHLGASTKEAQSRCGEEIAVQFVDMVKGKSLTGVVNAQALTSFSPHTKPWIGLAEALGTLMHAWAGSP
 KGTIQVVTQGTSLKNAGTCLSPAVIVGLLREASKQADVNLVNAKLLVKEAGLNVTTSHSPGVPGEQIGI
 CLLTVALAGAPYQAVGLVQGTTPMLQMLNGAVFRPEVPLRRGQPLLLFRAQPSDPVMLPTMIGLLAEAGV
 QLLSYQTSKVSVDGDTWHVMGLSSLLPLSLDAWKQHVSEAFQFCF

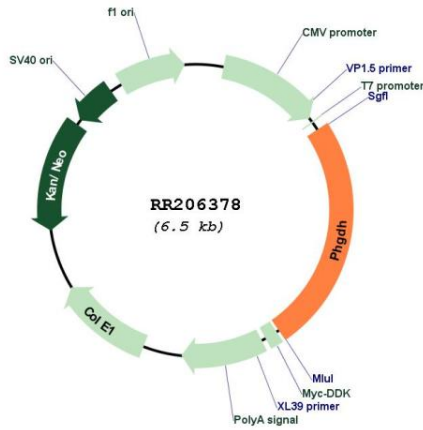
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cytogenetics: 2q34
MW: 56.5 kDa
Gene Summary: catalyzes the transition of 3-phosphoglycerate into 3-phosphohydroxypyruvate and did not catalyse the reduction of 2-oxoglutarate [RGD, Feb 2006]

Product images:



Circular map for RR206378