

## Product datasheet for RN211493

### Bpgm (NM\_199382) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bpgm (NM_199382) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bpgm
Synonyms:	Ab2-098
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211493 representing NM_199382

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGAAGCACAGACTTATTATACTAAGACACGGAGAGGGCCAATGGAATAAGGAGAACCGATTCTGTA  
GTTGGGTGGACCAGAACTTAACAGTGACGGACTGGAGGAGGCTCGAACTGTGGAGGCAGCTCAAAGC  
TCTCAACTTCGAGTTTGATCTCGTCTTCACGTCCATCCTTAACAGGTCCATTACACAGCCTGGCTGATC  
CTGGAAGAGCTGGGCAGGAGTGGTTCCTGTGGAGAGCTTTGGCGTCTGAATGAGCGTCACTATGGAG  
CCTTGATTGGTCTCAACAGGGAGAAAATGGCTTTGAATCATGGTGAAGAGCAGGTAAGGCTCTGGAGGAG  
AAGCTACAACGTGACCCACCTCCATTGAGGAGTCTCATCCCTTCTCCATGAGATCTACAATGACCGG  
AGGTACAAAGTGTGCGACGTGCCCTTGGATCAACTGCCACGTTTCAGAAAGCTTGAAGGATGTTCTGGAAA  
GACTTCTTCCCTACTGGAAGGAAAGGATTTCTCCGAAATCTTGAAGGGCAAACCGTTCTGATATCTGC  
TCATGGGAATAGCAGTAGAGCCCTCCTGAAACATCTAGAAGGTATCTCAGACGAGGATATCATCAACATC  
ACTCTGCCACTGGAGTTCGGATTCTGCTGGAGTTGGATGAGAACCTGCGTGCCATTAGGCCCTACCAGT  
TCTTGGCAACCAGGAGGCCATCCAGGCAGCCATTAAGAAAGTGGATGATCAAGGAAAGTGAGACAAAA  
CAAA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja1545_e11.zip">https://cdn.origene.com/chromatograms/ja1545_e11.zip</a>
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_199382



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<b>Insert Size:</b>	777 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><a href="#">NM_199382.1</a></u> , <u><a href="#">NP_955414.1</a></u>
<b>RefSeq Size:</b>	1609 bp
<b>RefSeq ORF:</b>	777 bp
<b>Locus ID:</b>	296973
<b>Cytogenetics:</b>	4q22
<b>Gene Summary:</b>	human homolog is a trifunctional enzyme which displays synthase, mutase, and phosphatase activities [RGD, Feb 2006]