

Product datasheet for **SC210003**

BPGM (NM_001724) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: BPGM (NM_001724) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: BPGM
Synonyms: DPGM; ECYT8
ACCN: NM_001724
Insert Size: 815 bp
Insert Sequence: >SC210003 3'UTR clone of NM_001724

The sequence shown below is from the reference sequence of NM_001724. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAAGGAAAAGTGAAACAAGCTAAAAAATAGTCTTTCTCAACTGTTGGCTAAGAAGAAATGCAAAAAGAG
TGGCATAGGAGTGTGTTATGGGTGCTGAACCTCTCTCTTTTTCCCGATTTCCAGAGCTAGGCTGTG
GAGTAGAGTTTGTATAGGTAAGTAACTAGTAACTTATTGTGGCCAGATAAGGCTTTAGGATGCCTCAGTGC
TTATGTCATAGCCTTATGAGTTAGCTTTCTTGCTAGCCCTAGTCGGTACCAAAGTAACTAGTAACTAGTG
GGGCTTAATGAAGGTCATAAGTTTCTGAGATGGGAGAGCAACAAGTAGAGATGAAGTTAAAGGTATTTA
TCATTCAAGAAATCATTATTGAGTCACCATTGACAGGCACTATTCTAATCAGTAGTTCACCTTAATATT
TAATAAGATTTTCTGGGATAACAGTAAGGGATATTAGATAATATACCGTATGTATTTACTAGTCTT
TTCCTCTAGGAAAAGGATACTTTGATAATTAAGGCCAGAGGCCATTAGTTGAGAAAAGTACAGATAT
ATTTCTCCAAGAAAGCCAACAACCACCACAATGACAGAAATGACAACAAGGCCCTTTAACTTGTCT
TCTAGTTTAGAGACATCCTTCATTTGACATTTAGTAGAATTCCTCTTTGGCCACAAGAATAAGCAGCAA
ATAAACAACACTATGGCTGTTGAGGTTCTCATTTTGGTTTGTTTAATTTTTGAACTTGGGTACCTGTA
ATTAGTTTAAAAATAAAGTTCCTGATAATAAAGTGAAGTAAATGGCATCCCCAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-Mlul

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001724.5</u>
Summary:	2,3-diphosphoglycerate (2,3-DPG) is a small molecule found at high concentrations in red blood cells where it binds to and decreases the oxygen affinity of hemoglobin. This gene encodes a multifunctional enzyme that catalyzes 2,3-DPG synthesis via its synthetase activity, and 2,3-DPG degradation via its phosphatase activity. The enzyme also has phosphoglycerate phosphomutase activity. Deficiency of this enzyme increases the affinity of cells for oxygen. Mutations in this gene result in hemolytic anemia. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Sep 2009]
Locus ID:	669
MW:	31.4