

Product datasheet for **SC208052**

Glucose 6 Phosphate Dehydrogenase (G6PD) (NM_001042351) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Glucose 6 Phosphate Dehydrogenase (G6PD) (NM_001042351) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: G6PD
Synonyms: G6PD1
ACCN: NM_001042351
Insert Size: 639 bp
Insert Sequence: >SC208052 3'UTR clone of NM_001042351
 The sequence shown below is from the reference sequence of NM_001042351. 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
TACAAGTGGGTGAACCCCAAGCTCTGAGCCCTGGGCACCCACCTCCACCCCGCCACGGCCACCCT
CCTTCCC GCCCGACCCCGAGTCGGGAGGACTCCGGGACATTGACCTCAGCTGCACATTCTGGCC
CGGGCTCTGGCCACCCTGGCCCCGCCCTCGCTGCTACTACCCGAGCCAGCTACATTCCTCAGCT
GCCAAGCACTCGAGACCATCCTGGCCCCCTCAGACCCTGCCTGAGCCAGGAGCTGAGTCACCTCCTCC
ACTCACTCCAGCCCAACAGAAGGAAGGAGGAGGGCGCCATTCTGTCTGCCAGAGCTTATTGGCCACT
GGGTCTCACTCCTGAGTGGGGCCAGGGTGGGAGGGAGGGACGAGGGGGAGGAAAGGGGCGAGCACCCAC
GTGAGAGAATCTGCCTGTGGCCTTGCCCGCCAGCCTCAGTGCCACTTGACATTCTTGTACCAGCAAC
ATCTCGAGCCCCCTGGATGTCCCTGTCCCACTCTGCACCTCCATGGCCACCCCGTGCCACCCGTA
GGCAGCCTCTCTGCTATAAGAAAAGCAGACGCAGCAGCTGGGACCCTCCCAACCTCAATGCCCTGCCA
TTAAATCCGCAACAGCC
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

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).

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.



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RefSeq: [NM_001042351.3](#)

Summary: This gene encodes glucose-6-phosphate dehydrogenase. This protein is a cytosolic enzyme encoded by a housekeeping X-linked gene whose main function is to produce NADPH, a key electron donor in the defense against oxidizing agents and in reductive biosynthetic reactions. G6PD is remarkable for its genetic diversity. Many variants of G6PD, mostly produced from missense mutations, have been described with wide ranging levels of enzyme activity and associated clinical symptoms. G6PD deficiency may cause neonatal jaundice, acute hemolysis, or severe chronic non-spherocytic hemolytic anemia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 2539

MW: 22.4