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Product datasheet for SC208051

Glucose 6 Phosphate Dehydrogenase (G6PD) (NM_000402) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: Glucose 6 Phosphate Dehydrogenase (G6PD) (NM_000402) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: G6PD

Synonyms: G6PD1

ACCN: NM_000402

Insert Size: 650 bp

Insert Sequence:

>SC208051 3'UTR clone of NM_000402
The sequence shown below is from the reference sequence of NM_000402. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TACAAGTGGGTGAACCCCCACAAGCTCTGAGCCCTGGGCACCCACCTCCACCCCCGCCACGGCCACCCT
CCTTCCCGCCGCCCGACCCCGAGTCGGGAGGACTCCGGGACCATTGACCTCAGCTGCACATTCCTGGCC
CCGGGCTCTGGCCACCCTGGCCCGCCCCTCGCTGCTGCTACTACCCGAGCCCAGCTACATTCCTCAGCT
GCCAAGCACTCGAGACCATCCTGGCCCCTCCAGACCCTGCCTGAGCCCAGGAGCTGAGTCACCTCCTCC
ACTCACTCCAGCCCAACAGAAGGAAGGAGGAGGGCGCCCATTCGTCTGTCCCAGAGCTTATTGGCCACT
GGGTCTCACTCCTGAGTGGGGCCAGGGTGGGAGGGAGGGACGAGGGGGAGGAAAGGGGCGAGCACCCAC
GTGAGAGAATCTGCCTGTGGCCTTGCCCGCCAGCCTCAGTGCCACTTGACATTCCTTGTCACCAGCAAC
ATCTCGAGCCCCCTGGATGTCCCCTGTCCCACCAACTCTGCACTCCATGGCCACCCCGTGCCACCCGTA
GGCAGCCTCTCTGCTATAAGAAAAGCAGACGCAGCAGCTGGGACCCCTCCCAACCTCAATGCCCTGCCA
TTAAATCCGCAAACAGCCCAAAAAAAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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.

View online »

RefSeq: NM_000402.4

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: 22.8