

Product datasheet for **SC209494**

QDPR (NM_000320) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: QDPR (NM_000320) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: QDPR
Synonyms: DHPR; HDHPR; PKU2; SDR33C1
ACCN: NM_000320
Insert Size: 766 bp
Insert Sequence: >SC209494 3'UTR clone of NM_000320
The sequence shown below is from the reference sequence of NM_000320. 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
AGGACGGAACTCACCCCAGCATATTTTTAGGCCTCATCTCAGTGCCTATGAGGGCCTGCCAGAAAAGT
CACTAACCTGTCTCAGTGTGGCCTTGCCAGCCTTGTTTTCTGTAACCCCTGTTTGGTACGAGAT
AATGAGTCTATTTTTCTCTCACATAATATGCATTTGCTCTCCTAGGACAGTGAATACATTTATGTGA
AGTAAAGACATGCGAGACTGGTGGCCTGCAAAATAGCATCCGTTGATCTGTGTTAACTGCATAGGGAGGG
CTCTGCATAGCACCTGCTATAGCGGTGTCATGTTGGATCGCTTTTGTGACTGTTTCATCTGTCTTGACA
GTGGCTGTCATCTTGACTACTTTGTTGATTTGTTGGTATTGGGGACATTTAAAGGCTGAGTTATTTTT
GAATGTCATGTTTATGTCATAGACGTAGTTTTCGCATCCTTGAATTAACTGCCTTAACTCCTTTTGTG
GTATAAGCAAACTACATGGACTCTGCCTGGTATCCTTTTCTGTGGTTGCCCGTGCCTCTGGC
CTAGGGTTAAGTGTGCAAGATAACTACTCGTGAGTATTCAGAATGTTGTTCCATAAATGCACTTGTT
GTCTGTCTCTTTAATCAAATCACATCTTATATACAGCAGTCAGAGATGAGTATACTAGAATCATGGAT
TGCTGGAGGTCTTTAATCTGATGTTCTCAGAAGGGGTGGATTTAAATCCTGAAATAAATATTTCAAC
ACAAGAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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).



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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_000320.3</u>
Summary:	This gene encodes the enzyme dihydropteridine reductase, which catalyzes the NADH-mediated reduction of quinonoid dihydrobiopterin. This enzyme is an essential component of the pterin-dependent aromatic amino acid hydroxylating systems. Mutations in this gene resulting in QDPR deficiency include aberrant splicing, amino acid substitutions, insertions, or premature terminations. Dihydropteridine reductase deficiency presents as atypical phenylketonuria due to insufficient production of biopterin, a cofactor for phenylalanine hydroxylase. [provided by RefSeq, Jul 2008]
Locus ID:	5860
MW:	28.5