

Product datasheet for **SC207976**

QPRT (NM_014298) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: QPRT (NM_014298) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: QPRT
Synonyms: HEL-S-90n; QPRTase
ACCN: NM_014298
Insert Size: 1318 bp
Insert Sequence: >SC207976 3'UTR clone of NM_014298
 The sequence shown below is from the reference sequence of NM_014298. 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
GAGGTGGCTCCAGTGCCCAAAATCCACTAGTCCTAAACCGGAAGAGGATGACACCGGCCATGGGTTAAC
GTGGCTCCTCAGGACCCCTGGGTACACATCTTTAGGGTCAGTGCCAATGGGGCACATTTGGCACTA
GCTTGAGCCCAACTCTGGCTCTGCCACCTGCTGCTCTGTGACCTGTGAGGGCTGACTTCACCTCTGCT
CATCTCAGTTTCTAATCTGTAAAATGGGTCTAATAAAGGATCAACCACATGGGGTTCTGCGGTGATAA
TGAGCACATAGTGAGGGGTGAGCAAAATGTGAGAAGTTACCTGGGACAGCCGGGCACGATGGCTCACACC
TGTAATCCAGCACTTTGGGAGGCTGAGGCGGGAAGATCACTTGAGTTCAGGAGTTTGAGACCAGCCTG
GCCAACATGGTAAAACCCATCTCTACCAAAAATAGAAGAATTAGCTGGGTGGTGGCACGCGCCTGT
AATCCCAGCTACTTAGGAGGCTGAGGCAGGAGAATCGCTTGAACCCAGGAAGTGGAGGTTGCAGTGAGC
TGATGGTGCCACTGCACTCCAGCCTGGGTGATAGAGCGAGACTCTGTCTCAAAGAAGAAACAAAGGAA
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GCCTGGCTGTGAGTGACAGCAGATGGAGTTTGTCTGGGACAGACACTGGGCTGGCCTAGACACTGCC
TTTGGTGATACCCTAAACCAAAGGGGCCAGTCCCACAGTAAGAAGGAGACCACTACTACTCTGCTGCC
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ACAAAACAGAAGTAAGATAAATAGCCAGAAGACCTTGGCGACACCACCCGGCCCTGGTAGTTAAAAAAA
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TGCTTGAGATATCATGACCCCTTTCAGTGGACCCCTTAGAGTTGAAGCCTTTAAAAAGGCCAAGAATT
TCTTTTTCAGGGATCTCAGCTATTAAGATGCAAGTCTGCCAATGCTCCTGGCCAAATAAACCTCTTCCT
TCTTTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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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).
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:	NM_014298.6
Summary:	This gene encodes a key enzyme in catabolism of quinolinate, an intermediate in the tryptophan-nicotinamide adenine dinucleotide pathway. Quinolinate acts as a most potent endogenous exitotoxin to neurons. Elevation of quinolinate levels in the brain has been linked to the pathogenesis of neurodegenerative disorders such as epilepsy, Alzheimer's disease, and Huntington's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]
Locus ID:	23475
MW:	48.9