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Product datasheet for SC204137

PGK2 (NM_138733) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PGK2 (NM_138733) Human 3' UTR Clone
Symbol:	PGK2
Synonyms:	dJ417L20.2; HEL-S-272; PGKB; PGKPS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_138733
Insert Size:	304 bp
Insert Sequence:	>SC204137 3'UTR clone of NM_138733 The sequence shown below is from the reference sequence of NM_138733. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCTGGAGTAGAGGCCCTCAGCAACATGTAGTTAATATAGTGTTACTTCCTTCTGTTTTCTGTCCATGGC CCTTAAGTCAGCTTAATGCTTTTACATCTCGATGTGACTTTTGTTAAAATCTACTCCTAGATCAAGACC TATGTAATGGACAAGCAGCAGGCCATCAGGAACTCTTAATATCAGCACAGCAATTCATTTTAGTTTGGT CACGCATTTGCCTGTTCAAGTTCTCATTTGAACTTCACCATTGTGCTATCTAGGGAGGACATATTCTTA AGTTGCCTATTAAAGAAAGTGAGCTGAA 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.
RefSeq:	NM_138733.5

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Summary: This gene is intronless, arose via retrotransposition of the phosphoglycerate kinase 1 gene, and is expressed specifically in the testis. Initially assumed to be a pseudogene, the encoded protein is actually a functional phosphoglycerate kinase that catalyzes the reversible conversion of 1,3-bisphosphoglycerate to 3-phosphoglycerate, during the Embden-Meyerhof-Parnas pathway of glycolysis, in the later stages of spermatogenesis.[provided by RefSeq, May 2010]

Locus ID: 5232

MW: 11.4