

Product datasheet for SC206237

DNA Polymerase gamma (POLG) (NM_001126131) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	DNA Polymerase gamma (POLG) (NM_001126131) Human 3' UTR Clone
Symbol:	DNA Polymerase gamma
Synonyms:	MDP1; MIRAS; MTDPS4A; MTDPS4B; PEO; POLG1; POLGA; SANDO; SCAE
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001126131
Insert Size:	461 bp
Insert Sequence:	<p>>SC206237 3'UTR clone of NM_001126131</p> <p>The sequence shown below is from the reference sequence of NM_001126131. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC TTGGAAAAACGAAGCCAGCCTGGACCAAGCACTGCCTGGAGGCTCTGTATTTGCTCCCGTGGAGCTTC ATCGGGGTGGTGCAGGCTCCCAAACTCAGGCTTTCAGCTGTGCTTTTGGAAAAGGGCTTGCCTAAGGC CAGCCATTTTTCAGTAGCAGGACCTGCCAAGAAGATTCCTTCTAACTGAAGGTGCAGTTGAATTCAGTG GGTTCAGAACCAAGATGCCAACATCGGTGTGGACTACAGGACAAGGGGCATTGTTGCTTGTGGGTA AATGAAGCAGAAGCCCCAAAGTTCACATTAAGTTCAGGCATTTTATTTTTCCTTTTCTTTCTTGGC TGGTTCTTTGTTCTGTCCCCATGCTCTGATGCAGTGCCCTAGAAGGGGAAAGAATTAATGCTCTAACG TGATAAACCTGCTCCAAGGCAGTGGAAATAAAAAGAAGGAAAAA ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre>
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_001126131.2](#)

Summary: Mitochondrial DNA polymerase is heterotrimeric, consisting of a homodimer of accessory subunits plus a catalytic subunit. The protein encoded by this gene is the catalytic subunit of mitochondrial DNA polymerase. The encoded protein contains a polyglutamine tract near its N-terminus that may be polymorphic. Defects in this gene are a cause of progressive external ophthalmoplegia with mitochondrial DNA deletions 1 (PEOA1), sensory ataxic neuropathy dysarthria and ophthalmoparesis (SANDO), Alpers-Huttenlocher syndrome (AHS), and mitochondrial neurogastrointestinal encephalopathy syndrome (MNGIE). Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 5428

MW: 17.2