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RPA3 cDNA

Catalog Number: ATGD0095

PRODUCT INFORMATION

Catalog number

ATGD0095

Product type

cDNA

Species

Human

NCBI Accession No.

NP 002938.1

Alternative Names

REPA3

mRNA Refseq

NM_002947.3

OMIM

179837

Chromosome location

7p22

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

366bp

Preparation before usage

- 1. Centrifuge at 7000rpm for 1 minute.
- 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.

Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description



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Functions as component of the alternative replication protein A complex (aRPA). aRPA binds single-stranded DNA and probably plays a role in DNA repair; it does not support chromosomal DNA replication and cell cycle progression through S-phase. In vitro, aRPA cannot promote efficient priming by DNA polymerase alpha but supports DNA polymerase delta synthesis in the presence of PCNA and replication factor C (RFC), the dual incision/excision reaction of nucleotide excision repair and RAD51-dependent strand exchange

DATA

Sequence nucleotides

ATGGTGGACA TGATGGACTT GCCCAGGTCG CGCATCAACG CCGGCATGCT AGCTCAATTC ATCGACAAGC CTGTCTGCTT CGTAGGGAGG CTGGAAAAGA TTCATCCCAC CGGAAAAATG TTTATTCTTT CAGATGGAGA AGGAAAAAAT GGAACCATCG AGTTGATGGA ACCCCTTGAT GAAGAAATCT CTGGAATTGT GGAAGTGGTT GGAAGAGATAA CCGCCAAGGC CACCATCTTG TGTACATCTT ATGTCCAGTT TAAAGAAGAT AGCCATCCTT TTGATCTTGG ACTTTACAAT GAAGCTGTGA AAATTATCCA TGACTTCCCT CAGTTTTATC CTTTAGGGAT TGTGCAACAT GATTGA

Transaction Sequence

MVDMMDLPRS RINAGMLAQF IDKPVCFVGR LEKIHPTGKM FILSDGEGKN GTIELMEPLD EEISGIVEVV GRVTAKATIL CTSYVQFKED SHPFDLGLYN EAVKIIHDFP QFYPLGIVQH D

