

Product datasheet for SC201157

GANP (MCM3AP) (NM_003906) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GANP (MCM3AP) (NM_003906) Human 3' UTR Clone
Symbol:	GANP
Synonyms:	GANP; MAP80; PNRIID; SAC3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003906
Insert Size:	165 bp
Insert Sequence:	<p>>SC201157 3'UTR clone of NM_003906</p> <p>The sequence shown below is from the reference sequence of NM_003906. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCTGCGTGCTAGACATGGTGGACATTGAGCAGCCTGACCTGTGGGGAGGGGGTCTCTCCGAAGAGT
TTCTGTTTTTACTCAAATAATGTTATTCTCAGATGCTTGATGCACTGTTGGAAATGTGATTAATTTAA
TCATGCAGATAAACCATTAAATGTCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites:	Sgfl-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:	<u>NM_003906.5</u>


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Summary:

The minichromosome maintenance protein 3 (MCM3) is one of the MCM proteins essential for the initiation of DNA replication. The protein encoded by this gene is a MCM3 binding protein. It was reported to have phosphorylation-dependent DNA-primase activity, which was up-regulated in antigen immunization induced germinal center. This protein was demonstrated to be an acetyltransferase that acetylates MCM3 and plays a role in DNA replication. The mutagenesis of a nuclear localization signal of MCM3 affects the binding of this protein with MCM3, suggesting that this protein may also facilitate MCM3 nuclear localization. This gene is expressed in the brain or in neuronal tissue. An allelic variant encoding amino acid Lys at 915, instead of conserved Glu, has been identified in patients with mild intellectual disability. [provided by RefSeq, Jan 2014]

Locus ID:

8888

MW:

6.1