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Product datasheet for SC202016

Ribonuclease H2, subunit A (RNASEH2A) (NM_006397) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: Ribonuclease H2, subunit A (RNASEH2A) (NM_006397) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: RNASEH2A

Synonyms: AGS4; JUNB; RNASEHI; RNHIA; RNHL; THSD8

ACCN: NM_006397

Insert Size: 204 bp

Insert Sequence:

>SC202016 3'UTR clone of NM_006397
The sequence shown below is from the reference sequence of NM_006397. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGCGGCCTGGAGTCAGCAACCAGCCTCTAGCAGCTGCCTCTACGCGCTCTACCTGCTTCCCCAACCCAG
ACATTAAAATTGTTTAAGGAGAACCACACGTAGGGGATGTACTTTTGGGACAGAAGCAAGGTGGGAGTG
TGCTCTGCAGCCGGGTCCAGCTACTTCCTTTTGGAACCTTAAATAGAATGGGTGTTGGTTGATTAA
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_006397.3

View online »

Summary: The protein encoded by this gene is a component of the heterotrimeric type II ribonuclease H enzyme (RNAseH2). RNAseH2 is the major source of ribonuclease H activity in mammalian cells and endonucleolytically cleaves ribonucleotides. It is predicted to remove Okazaki fragment RNA primers during lagging strand DNA synthesis and to excise single ribonucleotides from DNA-DNA duplexes. Mutations in this gene cause Aicardi-Goutieres Syndrome (AGS), a an autosomal recessive neurological disorder characterized by progressive microcephaly and psychomotor retardation, intracranial calcifications, elevated levels of interferon-alpha and white blood cells in the cerebrospinal fluid.[provided by RefSeq, Aug 2009]

Locus ID: 10535

MW: 7.5