

Active Recombinant Human Ribonuclease H2, Subunit A

Cat. No. RNASEH2A-76H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Ribonuclease H2, Subunit A is expressed in <i>E. coli</i> .
Species	Human
Source	E.coli
Description	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.
Purity	> 95%.
Concentration	2 x 10 ⁵ units/ml, 100 µl.
Form	Stored in PBS buffer with 0.1% BSA.
Storage	-70oC. Keep Freeze thaw to a minimum. Dilute only in buffers containing protein such as 0.1% BSA, Dilution of material below 2 x10 ⁵ units/ml is not recommended.

GENE INFORMATION

Gene Name	RNASEH2A ribonuclease H2, subunit A [Homo sapiens]
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Synonyms	RNASEH2A; ribonuclease H2, subunit A; AGS4; JUNB; RNHL; RNHIA; RNASEHI; EC 3.1.26.4; ribonuclease H2 subunit A; RNase H(35); RNase H2 subunit A; ribonuclease H1 subunit A; ribonuclease H2, large subunit; aicardi-Goutieres syndrome 4 protein
Gene ID	10535
mRNA Refseq	NM_006397
Protein Refseq	NP_006388
MIM	606034
UniProt ID	O75792
Chromosome Location	19p13.2
Pathway	DNA replication
Function	RNA binding; endonuclease activity; hydrolase activity; metal ion binding; ribonuclease H activity; ribonuclease activity