

## Active Recombinant Human Ribonuclease H2, Subunit A

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

### SPECIFICATION

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

### GENE INFORMATION

**Gene Name** RNASEH2A ribonuclease H2, subunit A [ Homo sapiens ]

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">10535</a>
<b>mRNA Refseq</b>	<a href="#">NM_006397</a>
<b>Protein Refseq</b>	<a href="#">NP_006388</a>
<b>MIM</b>	<a href="#">606034</a>
<b>UniProt ID</b>	<a href="#">O75792</a>
<b>Chromosome Location</b>	19p13.2
<b>Pathway</b>	DNA replication
<b>Function</b>	RNA binding; endonuclease activity; hydrolase activity; metal ion binding; ribonuclease H activity; ribonuclease activity

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