

## Recombinant Full Length Human RNASEH2A Protein, MYC/DDK-tagged

**Cat. No.** RNASEH2A-1257H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human RNASEH2A protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-299 a.a.
<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. 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].
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
<b>Molecular Mass</b>	33.2 kDa
<b>Purity</b>	>50 ug/mL as determined by microplate BCA method

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**Concentration** >50 ug/mL as determined by microplate BCA method

## GENE INFORMATION

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

**Official Symbol** RNASEH2A

**Synonyms** AGS4; JUNB; RNASEHI; RNHIA; RNHL

**Gene ID** 10535

**mRNA Refseq** NM\_006397

**Protein Refseq** NP\_006388

**MIM** 606034

**UniProt ID** O75792

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