

## Product datasheet for **AR50962PU-S**

### **RNASEH2A (1-299, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	RNASEH2A (1-299, His-tag) human protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSMDLSELE RDNTGRCRLS SPVPAVCRKE PCVLGVDEAG RGPVLGPMVY AICYCPLPRL ADLEALKVAD SKTLLESERE RLFKAMEDTD FVGWALDVLS PNLISTSMLG RVKYNLNLSL HDTATGLIQY ALDQGVNVTQ VFVDTVGMPE TYQARLQQSF PGIEVTVKAK ADALYPVWSA ASICAKVARD QAVKKWQFVE KLQDLDTDYG SGYPNDPKTK AWLKEHVEPV FGFPQFVRF S WRTAQTILEK EAEDVIWEDS ASENQEGLRK ITSYFLNEGS QARPRSSHRY FLERGLSAT SL
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	35.8 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
<b>Preparation:</b>	Liquid purified protein
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<u><a href="#">NP_006388</a></u>
<b>Locus ID:</b>	10535
<b>UniProt ID:</b>	<u><a href="#">O75792</a></u>
<b>Cytogenetics:</b>	19p13.13
<b>Synonyms:</b>	AGS4; JUNB; RNASEHI; RNHIA; RNHL; THSD8



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**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]

**Protein Pathways:**

DNA replication

**Product images:**