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Product datasheet for AR50962PU-N

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

Product data:

Product Type:	Recombinant Proteins
Description:	RNASEH2A (1-299, His-tag) human protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMDLSELE RDNTGRCRLS SPVPAVCRKE PCVLGVDEAG RGPVLGPMVY AICYCPLPRL ADLEALKVAD SKTLLESERE RLFAKMEDTD FVGWALDVLS PNLISTSMLG RVKYNLNSLS HDTATGLIQY ALDQGVNVTQ VFVDTVGMPE TYQARLQQSF PGIEVTVKAK ADALYPVVSA ASICAKVARD QAVKKWQFVE KLQDLDTDYG SGYPNDPKTK AWLKEHVEPV FGFPQFVRFS WRTAQTILEK EAEDVIWEDS ASENQEGLRK ITSYFLNEGS QARPRSSHRY FLERGLESAT SL
Tag:	His-tag
Predicted MW:	35.8 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Storage:	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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_006388
Locus ID:	10535
UniProt ID:	O75792
Cytogenetics:	19p13.13
Synonyms:	AGS4; JUNB; RNASEHI; RNHIA; RNHL; THSD8

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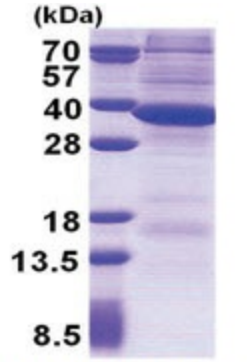
Summary: The protein encoded by this gene is a component of the heterotrimeric type II ribonuclease H enzyme (RNAseH2). RNAseH2 is the major source of ribonuclease H activity in mammalian cells and endonucleolytically cleaves ribonucleotides. It is predicted to remove Okazaki fragment RNA primers during 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:



15% SDS-PAGE (3ug)