

Recombinant Human RNASEH2A cell lysate

Cat. No. RNASEH2A-1515HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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. 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
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	RNASEH2A ribonuclease H2, subunit A [Homo sapiens]
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Official Symbol	RNASEH2A
Synonyms	RNASEH2A; ribonuclease H2, subunit A; Aicardi Goutieres syndrome 4 , ribonuclease H2, large subunit; ribonuclease H2 subunit A; AGS4; RNASEHI; RNHIA; RNHL; RNase H(35); RNase H2 subunit A; RNase HI large subunit; ribonuclease HI subunit A; ribonuclease HI large subunit; ribonuclease H2, large subunit; ribonuclease HI, large subunit; aicardi-Goutieres syndrome 4 protein; JUNB;
Gene ID	10535
mRNA Refseq	NM_006397
Protein Refseq	NP_006388
MIM	606034
UniProt ID	O75792
Chromosome Location	19p13.13
Pathway	DNA replication, organism-specific biosystem; DNA replication, conserved biosystem;
Function	RNA binding; endonuclease activity; hydrolase activity; metal ion binding; ribonuclease H activity; ribonuclease activity;