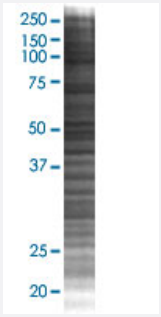
RNASEH2A 293T Cell Transient Overexpression Lysate(Denatured)

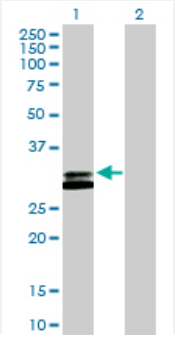
Catalog # H00010535-T02 Size 100 uL

Applications



SDS-PAGE Gel

RNASEH2A transfected lysate.



Western Blot

Lane 1: RNASEH2A transfected lysate (33.40 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-RNASEH2A full-length
Host	Human
Theoretical MW (kDa)	33.4
Interspecies Antigen Sequence	Rat (84)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-RNASEH2A antibody (H00010535-D01P) by Western Blots. SDS-PAGE Gel RNASEH2A transfected lysate. Western Blot Lane 1: RNASEH2A transfected lysate (33.40 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — RNASEH2A

Entrez GeneID	10535
GeneBank Accession#	NM_006397
Protein Accession#	NP_006388.2
Gene Name	RNASEH2A
Gene Alias	AGS4, JUNB, RNASEHI, RNHIA, RNHL
Gene Description	ribonuclease H2, subunit A
Omim ID	606034 610333
Gene Ontology	Hyperlink
Gene 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
Other Designations	ribonuclease H2, large subunit|ribonuclease HI, large subunit

Pathway

- DNA replication