

Product datasheet for **TP304032**

Ribonuclease H2, subunit A (RNASEH2A) (NM_006397) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human ribonuclease H2, subunit A (RNASEH2A), 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC204032 protein sequence
Red=Cloning site **Green**=Tags(s)

MDLSELERDNTGRCRLSSPVPVAVCRKEPCVLGVDEAGRGPVLGPMVYAICYCPLPRLADLEALKVADSKT
LLESERERLFAKMEDTDFVGWALDVLSPNLISTSMLGRVKYNLNSLSHDTATGLIQYALDQGVNVTQVFV
DTVGMPEYQARLQQSFPGIEVTVKAKADALYPVSAASICAKVARDQAVKKWQFVEKLQDLDTDYGSGY
PNDPKTKAWLKEHVEPVFGFPQFVRFSWRTAQTILEKEAEDVIWEDSASENQEGLRKITSYFLNEGSQAR
PRSSHRYFLERGLSATSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 33.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_006388](#)

Locus ID: 10535



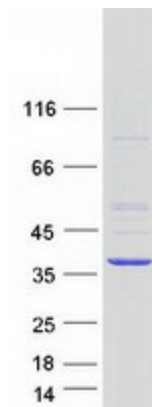
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UniProt ID: [O75792](#)
RefSeq Size: 1148
Cytogenetics: 19p13.13
RefSeq ORF: 897
Synonyms: AGS4; JUNB; RNASEHI; RNHIA; RNHL; THSD8

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:



Coomassie blue staining of purified RNASEH2A protein (Cat# TP304032). The protein was produced from HEK293T cells transfected with RNASEH2A cDNA clone (Cat# [RC204032]) using MegaTran 2.0 (Cat# [TT210002]).