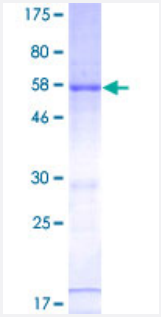
Full-Length

RNASEH2A (Human) Recombinant Protein (P01)

Catalog # H00010535-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RNASEH2A full-length ORF (AAH11748, 1 a.a. - 299 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDLSELERDNTGRCRLSSPVPAVCRKEPCVLGVDEAGRGPVLGPMVYAICYCPLPRLADLEALK VADSKTLLESERERLFAKMEDTDFVGWALDVLSPNLISTSMLGRVKYNLNSLSHDTATGLIQYALD QGVNVTQVFVDTVGMPETYQARLQQSFPGIEVTVKAKADALYPVVSAASICAKVARDQAVKKWQ FVEKLQDLDTDYGSGYPNDPKTKAWLKEHVEPVFGFPQFVRFSWRTAQTILEKEAEDVIWEDSA SENQEGLRKITSYFLNEGSQARPRSSHRYFLERGLESATSL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	58.63
Interspecies Antigen Sequence	Rat (84)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RNASEH2A

Entrez GeneID	10535
GeneBank Accession#	BC011748
Protein Accession#	AAH11748
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