

Product datasheet for PH304032

Ribonuclease H2, subunit A (RNASEH2A) (NM_006397) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RNASEH2A MS Standard C13 and N15-labeled recombinant protein (NP_006388)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204032
Predicted MW:	33.4 kDa
Protein Sequence:	>RC204032 protein sequence Red=Cloning site Green=Tags(s) MDLSELERDNTGRCRLSSPVPVAVCRKEPCVLGVDEAGRGPVLPMPVYAIYCPLPRLADLEALKVADSKT LLESERERLFAKMEDTDFVGWALDVLSPNLISTSM LGRVKYNLNSLSHDTATGLIQYALDQGVNVTQVFV DTVGMPETYQARLQQSFPGIEVTYKAKADALYPVYSAASICAKVARDQAVKKWQFVEKLDLDTDYGSGY PNDPKTKAWLKEHVPEVFGFPQFVRF SWRTAQTILEKEAEDVIWEDSASENQEGLRKITSYFLNEGSQAR PRSSHRYFLERGLSATSL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006388
RefSeq Size:	1148
RefSeq ORF:	897
Synonyms:	AGS4; JUNB; RNASEHI; RNHIA; RNHL; THSD8
Locus ID:	10535



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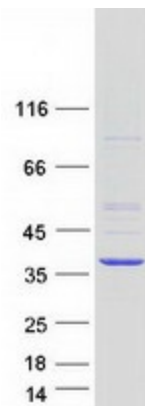
UniProt ID: [O75792](#)

Cytogenetics: 19p13.13

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]).