

Recombinant Human RNH1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. RNH1-173H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RNH1 MS Standard C13 and N15-labeled recombinant protein (NP_976318) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Placental ribonuclease inhibitor (PRI) is a member of a family of proteinaceous cytoplasmic RNase inhibitors that occur in many tissues and bind to both intracellular and extracellular RNases (summarized by Lee et al., 1988 [PubMed 3219362]). In addition to control of intracellular RNases, the inhibitor may have a role in the regulation of angiogenin (MIM 105850). Ribonuclease inhibitor, of 50,000 Da, binds to ribonucleases and holds them in a latent form. Since neutral and alkaline ribonucleases probably play a critical role in the turnover of RNA in eukaryotic cells, RNH may be essential for control of mRNA turnover; the interaction of eukaryotic cells with ribonuclease may be reversible in vivo. [supplied by OMIM, Jul 2010]
Molecular Mass	50 kDa
AA Sequence	MSLDIQSLDIQCEELSDARWAELLPLLQQCQVVRLLDDCGLTEARCKDISSALRVNPA LAELNLRSNELGDVGVCVLQGLQTPSCKIQKLSLQNCCLTGAGCGVLSSTLRTLPT LQELHLSNLLGDAGLQLLCEGLLDPPQCRLEKLQLEYCSLSAASCEPLASVLRAPD FKELTVSNNDINEAGVHVLQCGLKDSPCQLEALKLESCGVTSNCRDLGIVASKAS

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LRELALGSNKLGDVGMALCPGLLHPSSRLRTLWIWECGITAKGCGDLRCRVLRAKE
 SLKELSLAGNELGDEGARLLCETLLEPGCQLESLWVKSCSFTAACCSHFSSVLAQN
 RFLLELQISNNRLEDAGVRELCQGLGQPGSVLRVLWLADCDVSDSSCSSLAATLLAN
 HSLRELDLSNNCLGDAGILQLVESVRQPGCLLEQLVLYDIYWSEEMEDRLQALEKDK
 PSLRVISTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name RNH1 ribonuclease/angiogenin inhibitor 1 [Homo sapiens (human)]

Official Symbol RNH1

Synonyms RNH1; ribonuclease/angiogenin inhibitor 1; RAI; RNH; ribonuclease inhibitor; placental RNase inhibitor; placental ribonuclease inhibitor; testicular tissue protein Li 164

Gene ID 6050

mRNA Refseq NM_203384

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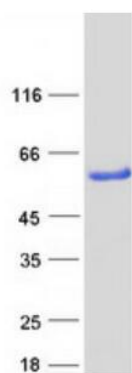
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Protein Refseq NP_976318

MIM 173320

UniProt ID P13489

SDS-PAGE



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