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

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

## SPECIFICATION

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| **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** | MSLDIQSLDIQCEELSDARWAELLPLLQQCQVVRLDDCGLTEARCKDISSALRVNPA LAELNLRSNELGDVGVHCVLQGLQTPSCKIQKLSLQNCCLTGAGCGVLSSTLRTLPT LQELHLSDNLLGDAGLQLLCEGLLDPQCRLEKLQLEYCSLSAASCEPLASVLRAKPD FKELTVSNNDINEAGVHVLCQGLKDSPCQLEALKLESCGVTSDNCRDLCGIVASKAS |

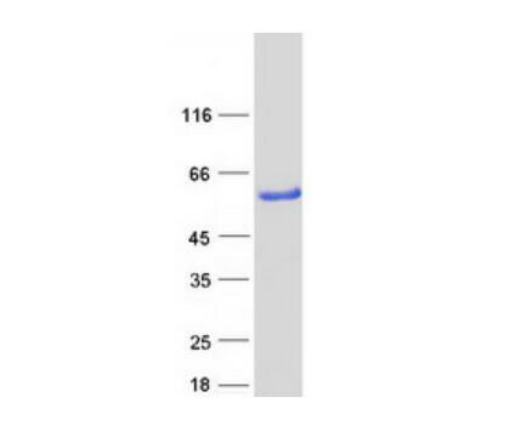
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| | LRELALGSNKLGDVGMAELCPGLLHPSSRLRTLWIWECGITAKGCGDLCRVLRAKE SLKELSLAGNELGDEGARLLCETLLEPGCQLESLWVKSCSFTAACCSHFSSVLAQN RFLLELQISNNRLEDAGVRELCQGLGQPGSVLRVLWLADCDVSDSSCSSLAATLLAN HSLRELDLSNNCLGDAGILQLVESVRQPGCLLEQLVLYDIYWSEEMEDRLQALEKDK PSLRVISTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **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

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| **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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| **Protein Refseq** | NP_976318 |
| **MIM** | 173320 |
| **UniProt ID** | P13489 |
| **SDS-PAGE** |  |



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