

Product datasheet for PH319235

Ribonuclease Inhibitor (RNH1) (NM_203389) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | RNH1 MS Standard C13 and N15-labeled recombinant protein (NP_976323) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC219235 |
| Predicted MW: | 50 kDa |
| Protein Sequence: | >RC219235 protein sequence Red=Cloning site Green=Tags(s) MSLDIQSLDIQCEELSDARWAELLPLLQQCQVVRLDDCGLTEARCKDISSALRVNPALAEINLRSNELGD VGVHCVLQGLQTPSCKIQKLSLQNCCLTGAGCGVLSSTLRTLPTLQELHLSNLLGDAGLQLLCEGLLDP QCRLEKLQLEYCSLSAASCEPLASVLRAPDFKELTVSNNDINEAGVHVLQGLKDSQCQLEALKLESCG VTSNCRDLCGIVASKASLRELALGSNKLGDVGMALCPGLLHPSRLRTLWIWECGITAKGCGDLCRVL RAKESLKELSLAGNELGDEGARLLCETLLEPGCQLES LWKSCSF TAACCSHFSSVLAQNRFLLELQISN NRLEDAGVRELCQGLGQPGSVLRVWLADCDVSDSSCSLAATLLANHSLRELDL SNNCLGDAGILQLVE SVRQPGCLLEQLVLYDIYWSEEMEDRLQALEKDKPSLRVIS TRTRPLEQKLI SEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | 50 ug/ml as determined by BCA |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 100 mM glycine, 25 mM Tris-HCl, pH 7.3. Store at -80°C. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | <u>NP_976323</u> |
| RefSeq Size: | 1842 |
| RefSeq ORF: | 1383 |
| Synonyms: | RAI; RNH |
| Locus ID: | 6050 |

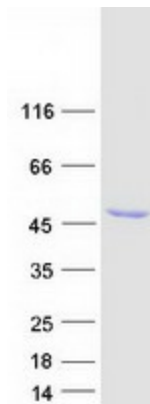


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Cytogenetics: 11p15.5

Summary: 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]

Product images:



Coomassie blue staining of purified RNH1 protein (Cat# [TP319235]). The protein was produced from HEK293T cells transfected with RNH1 cDNA clone (Cat# [RC219235]) using MegaTran 2.0 (Cat# [TT210002]).