

## Product datasheet for TP302451

### Ribonuclease Inhibitor (RNH1) (NM\_203384) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ribonuclease/angiogenin inhibitor 1 (RNH1), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202451 protein sequence Red=Cloning site Green=Tags(s)

MSLDIQSLDIQCEELSDARWAELLPLLQQCQVRLDDCGLTEARCKDISSALRVNPALAEINLRSNELGD  
VGVHCVLQGLQTPSCKIQKLSLQNCCLTGAGCGVLSSTLRPLTLQELHLSNLLGDAGLQLLCEGLLDP  
QCRLEKLQLEYCSLSAASCEPLASVLRKPDFKELTVSNNDINEAGVHVLCQGLKDSPCQLEALKLESCG  
VTSDNCRDLCGIVASKASLRELALGSKNLGVDVGMALCPGLLHPSSRLRTLWIWECGITAKGCGDLRCRVL  
RAKESLKELSLAGNELGDEGARLLCETLLEPGCQLES LWKSCSFTAACCSHFSSVLAQNRFLLELQISN  
NRLEDAGVRELCQGLGQPGSVLRVWLADCDVSDSSCSLAATLLANHSLRELDLSNCLGDAGILQLVE  
SVRQPGCLLEQLVLYDIWSEEMEDRLQALEKDKPSLRVIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	49.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_976318](#)

Locus ID: 6050

UniProt ID: [P13489](#)

RefSeq Size: 1816

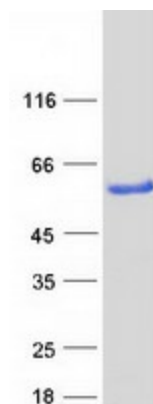
Cytogenetics: 11p15.5

RefSeq ORF: 1383

Synonyms: RAI; RNH

**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# TP302451). The protein was produced from HEK293T cells transfected with RNH1 cDNA clone (Cat# [RC202451]) using MegaTran 2.0 (Cat# [TT210002]).