OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH318365

Ribonuclease Inhibitor (RNH1) (NM_203386) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RNH1 MS Standard C13 and N15-labeled recombinant protein (NP_976320)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218365
Predicted MW:	50 kDa
Protein Sequence:	>RC218365 protein sequence Red=Cloning site Green=Tags(s) X*AWTSRAWTSSVRS*ATLDGPSSSLCSSSAKWSGWTTVASRKHGARTSALHFESTLHWQSSTCAATSWA MSACIACSRACRPPPARSRS*ASRTAA*RGPAAGSCPAHYAPCPPCRSCTSATTSWGMRACSCSAKDSWT PSAAWKSCSWSIAASRLPAASPWPPCSGPSRTSRSSRLATTTSMRLASVCCARA*RTPPASWRRSSWRAA V*HQTTAGTCAALWPPRPRCGSWPWAATSWVMWAWRSCAQGCSTPAPGSGPCGSGSVASLPRAAGICAVS SGPRRA*RSSAWPATSWGMRVPDCCVRPCWNLAASWSRCG*SPAASQPPAAPTSAQCWPRTGFSWSYR*A TTGWRMRACGSCARAWASLALCCGCSGWPTAM*VTAAAAASPQPCWPTTACVSWTSATTAWGTPASCSWW RASGSRAASWSSWSCTTFTGLRRWRTGCRPWRRTSHP*GSS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_976320
RefSeq Size:	1884
RefSeq ORF:	1386
Synonyms:	RAI; RNH

View online »

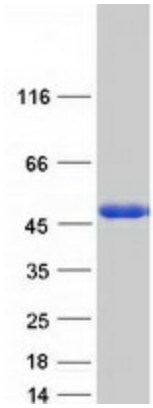
Locus ID: 6050

UniProt ID: P13489, A0A140VJT8

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# [TP318365]). The protein was produced from HEK293T cells transfected with RNH1 cDNA clone (Cat# [RC218365]) using MegaTran 2.0 (Cat# [TT210002]).