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Product datasheet for TP318365L

Ribonuclease Inhibitor (RNH1) (NM_203386) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens ribonuclease/angiogenin inhibitor 1 (RNH1), transcript variant 5, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA 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
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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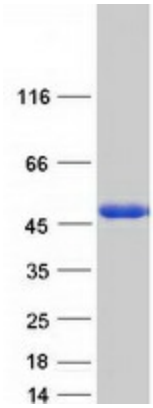
RefSeq:	NP_976320
Locus ID:	6050
UniProt ID:	P13489, A0A140VJT8
RefSeq Size:	1884
Cytogenetics:	11p15.5
RefSeq ORF:	1386
Synonyms:	RAI; RNH
Summary:	Placental ribonuclease inhibitor (PRI) is a member of a family of proteinaceous cytoplasmic RNase inhibitors that occur in many tissues and bind to both 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# [TP318365]). The protein was produced from HEK293T cells transfected with RNH1 cDNA clone (Cat# [RC218365]) using MegaTran 2.0 (Cat# [TT210002]).