

Recombinant Human RNH1 protein, His & T7-tagged

Cat. No. RNH1-6967H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RNH1 aa. (Asp218~Glu444 (Accession # P13489)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp218~Glu444
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.4kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 5.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

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_002939.3

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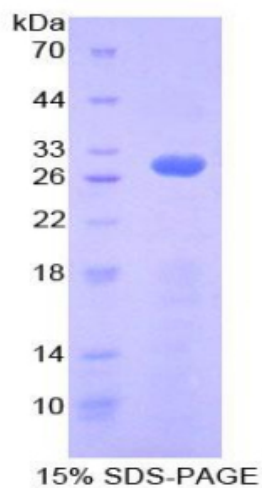
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Protein Refseq NP_002930.2

UniProt ID P13489

SDS-PAGE



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