

Product datasheet

Recombinant Human Ribonuclease Inhibitor/RAI protein ab114503

[1 Image](#)

Description

Product name	Recombinant Human Ribonuclease Inhibitor/RAI protein
Expression system	Wheat germ
Accession	<u>P13489</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Sequence	MSLDIQSLDIQCEELSDARWAEELLPLLQQCQVRLDDCG LTEARCKDISS ALRVNPALAEINLRSNELGDVGVHCVLQGLQTPSCKIQKL SLQNCCLTGA GCGVLSSTLRTLPTLQELHLSDNLLGDAGLQLLCEGLLDP QCRLEKLQLE YCSLSAASCEPLASVLRAPDFKELTVSNNDINEAGVRVL CQGLKDSPCQ LEALKLESCGVTSNCRDLCGMASKASLRELALGSNKLG DVGMAELCPG LLHPSSRLRTLWMECGITAKGCGDLRCRVLRAKESLKELS LAGNELGDEG ARLLCETLLEPGCQLES LWKSCSFTAACCSHFSSVLAQ NRFLLELQISN NRLEDAGVRELCQGLGQPGSVLRVWLADCDVSDSSCS SLAATLLANHSL RELDLSNNCLGDAGILQLVESVRQPGCLLEQLVLYDMWS EEMEDRLQAL EKDKPSLRVIS
Predicted molecular weight	76 kDa including tags
Amino acids	1 to 461

Specifications

Our **Abpromise guarantee** covers the use of **ab114503** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Western blot ELISA
Form	Liquid
Additional notes	This product was previously labelled as Ribonuclease Inhibitor.

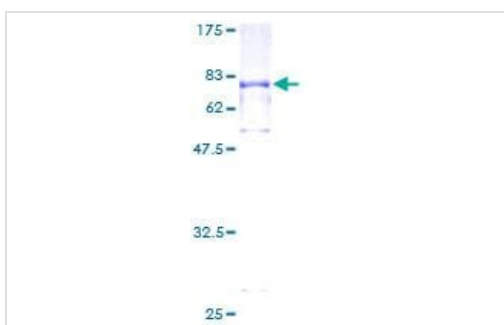
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.79% Tris-HCl buffer, 0.3% Glutathione
------------------------------	--

General Info

Function	Ribonuclease inhibitor which inhibits RNASE1, RNASE2 and ANG. May play role in redox homeostasis.
Sequence similarities	Contains 15 LRR (leucine-rich) repeats.
Domain	The LRR domain forms a horseshoe-shaped structure that interacts tightly with target RNAses via a large protein interaction surface on its interior side.
Post-translational modifications	The N-terminus is blocked. At least 30 of the 32 cysteine residues are in the reduced form.
Cellular localization	Cytoplasm.

Images



ab114503 analysed by 12.5% SDS-PAGE and stained with Coomassie Blue.

SDS-PAGE - Recombinant Human Ribonuclease Inhibitor/RAI protein (ab114503)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors