

Recombinant human HRSP12/RIDA protein

Catalog Number: ATGP0837

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-137aa

UniProt No.

P52758

NCBI Accession No.

NP_005827

Alternative Names

Reactive intermediate imine deaminase A homolog, 2-iminobutanoate/2-iminopropanoate deaminase, Heat-responsive protein 12, Translational inhibitor p14.5, Translation inhibitor L-PSP ribonuclease, UK114 antigen homolog, P14.5, PSP

PRODUCT SPECIFICATION

Molecular Weight

16.6 kDa (157aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

HRSP12, also called ribonuclease uK114, is an endoribonuclease found predominantly in human adult kidney and liver, and which is responsible for inhibiting translation by cleaving mRNA. This protein cleaves phosphodiester bonds only in single-stranded RNA. It may be an important biomarker for hepatic carcinoma. Recombinant human HRSP12 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography.

Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MSSLIRRVIS TAKAPGAIGP YSQAVLVDRT IYISGQIGMD PSSGQLVSGG VAEEAKQALK
NMGEILKAAG CDFTNVVKT VLLADINDFN TVNEIYKQYF KSNFPARAAY QVAALPKGSR IEIEAVAIQG PLTTASL

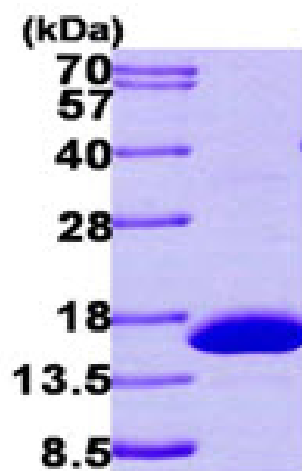
General References

Schmiedeknecht G., et al. (1996). Eur J Biochem. 242(2):339-51.

Manjasetty BA, et al. (2004). Proteins 54(4):797-800

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)