



[Go to Product page](#)

Datasheet for ABIN7318565
HRSP12 Protein (His tag)

Overview

Quantity:	50 µg
Target:	HRSP12
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HRSP12 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human RIDA/HRSP12 Protein (His Tag)
Sequence:	Met 1-Leu137
Characteristics:	Recombinant Human Heat-Responsive Protein 12 is produced by our E.coli expression system and the target gene encoding Met1-Leu137 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	HRSP12
Alternative Name:	RIDA/HRSP12 (HRSP12 Products)
Background:	Background: Heat-Responsive Protein 12 (HRSP12) is an endoribonuclease that belongs to the Rut family. HRSP12 is found mainly in the human adult kidney and liver and is responsible for inhibiting protein translation by cleaving mRNA. HRSP12 only cleaves phosphodiester bonds in

Target Details

single-stranded RNA and inhibits cell-free protein synthesis. The levels of both mRNA and protein are markedly reduced in hepatocellular tumors and in human hepatoma cell lines compared with normal liver tissues. Moreover the levels of HRSP12 are different depending on the grade of the tumor. This had led to the suggestion that HRSP12 may be an important biomarker for hepatic carcinoma.

Synonym: Ribonuclease UK114, 14.5 kDa Translational Inhibitor Protein, p14.5, Heat-Responsive Protein 12, UK114 Antigen Homolog, HRSP12, PSP

Molecular Weight: 16.7 kDa

UniProt: [P52758](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 1 mM DTT, 10 % Glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.