

## 32-7234: Recombinant Human Heat-Responsive Protein 12/HRSP12 (N-6His)

**Gene :** RIDA  
**Gene ID :** 10247  
**Uniprot ID :** P52758

### Description

Source: E.coli.  
MW :16.7kD.

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. 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 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMSSLIRRVISTAKAPGAIGPYSQAVLVDRTIYISGQIGMDPSSGQLVSGGVAEE  
AKQALKNMGEILKAAGCDFTNVVKTTVLLADINDFNTVNEIYKQYFKSNFPARAAYQVAALPKGSRIEIEAVAIQG  
PLTTASL

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.