

**Product Name: Recombinant Human HRSP12 (N-6His)**  
**Catalog #: PEH0782**

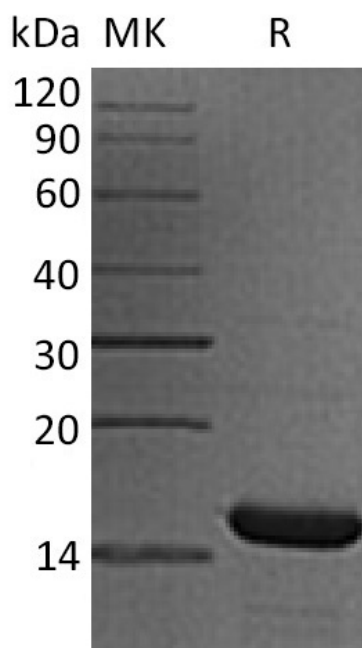


## Summary

<b>Name</b>	Heat-Responsive Protein 12/Hrsp12
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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.
<b>Accession #</b>	P52758
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	16.7 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image

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### Alternative Names

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

### 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 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.

### Note

For Research Use Only , Not for Diagnostic Use.