

Recombinant Human Heat-Responsive Protein 12/HRSP12 Protein(N-6His)

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3th Edition

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

Description: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.

Form:PBS

Molecular Weight:16.7 kDa

Sequences:Met 1-Leu137

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.