

## HRSP12 Human

**Description:**HRSP12 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 157 amino acids (1-137 a.a.) and having a molecular mass of 16.6kDa. The HRSP12 is purified by proprietary chromatographic techniques.

Catalog #:PRPS-059

For research use only.

**Synonyms:**Ribonuclease UK114, 14.5 kDa translational inhibitor protein, p14.5, Heat-responsive protein 12, UK114 antigen homolog, HRSP12, PSP.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MSSLIRRVIS TAKAPGAIGP  
YSQAVLVDRT IYISGQIGMD PSSGQLVSGG VAEEAKQALK NMGEILKAAG CDFTNVVKTT  
VLLADINDFN TVNEIYKQYF KSNFPARAAY QVAALPKGSR IEIEAVAIQG PLTTASL.

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

The HRSP12 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.1M NaCl and 1mM DTT.

### Stability:

HRSP12 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

HRSP12 (UK114) is an endoribonuclease found mainly in the human adult kidney and liver, and which is responsible for inhibiting translation by cleaving mRNA. HRSP12 cleaves phosphodiester bonds only in single-stranded RNA. HRSP12 may be an important biomarker for hepatic carcinoma.

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