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## Product Data Sheet

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Product Name: RPS7 Human  
 Cat. No.: GP24432  
 Batch No.: 1

### Product Data

|                     |   |                    |                         |
|---------------------|---|--------------------|-------------------------|
| Purity              | >98%  | Source             | E.coli.                 |
| Physical Appearance | solid   | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | Ribosomal protein S7; DBA8; S7; 40S ribosomal protein S7.   |                    |                         |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSHMFSSSA KIVKPNGEKP DEFESGISQA<br>LLELEMNSDL KAQLRELNIT AAKEIEVGGG RKAIIFVPV PQLKSFQKIQ<br>VRLVRELEKK FSGKHVVFIA QRRILPKPTR KSRTKNKQKR PRSRTLTAHV<br>DAILEDLVFP SEIVGKRIRV KLDGSRLIKV HLDKAQQNNV EHKVETFSGV<br>YKKLTGKDVN FEFPEFQL |                    |                         |
| Formulation         | RPS7 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 1mM DTT and 30% glycerol.   |                    |                         |

### Introduction

RPS7 is a member of the S3P family of ribosomal proteins and is situated in the cytoplasm. RPS7 takes part in ribosomal stress, connecting ribosome biogenesis to cell death or cell cycle arrest. In addition, RPS7 cooperates with MDM2 and negatively regulate the MDM2-mediated degradation of p53.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

RPS7 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 218 amino acids (1-194 a.a.) and having a molecular mass of 24.7kDa. RPS7 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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