
Product Data Sheet

Product Name: RPS16 Human
 Cat. No.: GP24436
 Batch No.: 1

Product Data

| | | | |
|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Ribosomal Protein S16; 40S Ribosomal Protein S16; S16. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSMPKGPL QSVQVFGRKK TATAVAHCKR GNLIKVNGR PLEMIEPRTL QYKLEPVLL LGKERFAGVD IRVRVKGGGH VAQIYAIRQS ISKALVAYYQ KYVDEASKKE IKDILIQYDR TLLVADPRRC ESKKFGGPGA RARYQKSYR | | |
| Formulation | The RPS16 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. | | |

Introduction

Ribosomes are the organelles which catalyze protein synthesis and comprised of a small 40S subunit and a large 60S subunit. Combined, the small 40S and large 60S subunits are composed of 4 RNA types and about 80 structurally distinct proteins. RPS16, a ribosomal protein, is a component of the 40S subunit and a member of the S9P family of ribosomal proteins. RPS16 is situated in the cytoplasm. Just like other genes encoding ribosomal proteins, there are numerous processed pseudogenes of RPS16 spread through the genome.

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

RPS16 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 169 amino acids (1-146) and having a molecular mass of 18.8kDa. RPS16 is fused to a 23 amino acid His-tag at N-terminus & purified by

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

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proprietary chromatographic techniques.

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