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## Product Data Sheet

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Product Name: RPS24 Human  
 Cat. No.: GP24440  
 Batch No.: 1

### Product Data

|                     |  |                    |                         |
|---------------------|--|--------------------|-------------------------|
| Purity              | >98%   | Source             | Escherichia Coli.       |
| Physical Appearance | solid  | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | Ribosomal Protein S24; 40S Ribosomal Protein S24; DBA3; S24.   |                    |                         |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSMNDTVTI RTRKFMTNRL LQRKQVIDV<br>LHPGKATVPK TEIREKLAKM YKTPDVIVFV FGFRTHTFGGG KTTGFGMIYD<br>SLDYAKKNEP KHRLARHGLY EKKKTSRKQR KERKNRMKKV RGTAKANVGA<br>GKK |                    |                         |
| Formulation         | The RPS24 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 2mM DTT and 50% glycerol.  |                    |                         |

### Introduction

RPS24 is a member of the S24E family of ribosomal proteins. RPS24 is situated in the cytoplasm. Numerous transcript variations encoding different isoforms were identified for this gene. There are multiple processed pseudogenes of this gene distributed all over the genome just like other genes encoding ribosomal proteins. Alterations in RPS24 cause Diamond-Blackfan anemia.

### 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

RPS24 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 153 amino acids (1-130) and having a molecular mass of 17.5kDa. RPS24 is fused to a 23 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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