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## Product Data Sheet

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Product Name: SSR4 Human  
 Cat. No.: GP24706  
 Batch No.: 1

### Product Data

|                     |   |                    |                         |
|---------------------|---|--------------------|-------------------------|
| Purity              | >98%  | Source             | Escherichia Coli.       |
| Physical Appearance | solid   | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | TRAPD; Translocon-associated protein subunit delta; TRAP-delta; Signal sequence receptor subunit delta SSR-delta.   |                    |                         |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSEACLEPQ ITPSYTTSD AVISTETVFI<br>VEISLTCKNR VQNMALYADV G GKQFPVTRG QDVGRYQVSW SLDHKSAHAG<br>TYEVRFFDEE SYLLRKAQR NNEDISIIPP LFTVSVDHRG TWNG. |                    |                         |
| Formulation         | SSR4 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.  |                    |                         |

### Introduction

SSR4 is a member of the TRAP-delta family. SSR4 is the delta subunit of the translocon-associated protein complex that participates in translocating proteins through the endoplasmic reticulum membrane. SSR4 positioned in the Xq28 region and organized in a compact head-to-head manner with the isocitrate dehydrogenase 3 (NAD<sup>+</sup>) gamma gene. Both genes are motivated by a CpG-embedded bidirectional promoter.

### 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

SSR4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 144 amino acids (24-144 a.a.) and having a molecular mass of 16.1kDa. SSR4 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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