
Product Data Sheet

Product Name: SSR2 Human
 Cat. No.: GP24705
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HSD25; TLAP; TRAP-BETA; TRAPB; Translocon-associated protein subunit beta; Signal sequence receptor subunit beta; SSR-beta.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSEEGARLL ASKLLNRYA VEGRDLTQY NIYNVGSSAA LDVELSDDSF PPEDFGIVSG MLNVKWDRIA PASNVSHTVV LRPLKAGYFN FTSATITYLA QEDGPVVIGS TSAPGQGGIL AQREFDRRFS PHFLD.		
Formulation	SSR2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

Introduction

The signal sequence receptor (SSR) is a glycosylated endoplasmic reticulum membrane receptor related with protein translocation across the ER membrane. The SSR consists of 2 subunits, a 34-kD glycoprotein (alpha-SSR or SSR1) and a 22-kD glycoprotein (beta-SSR or SSR2). The human beta-signal sequence receptor gene (SSR2) maps to chromosome bands 1q21-q23. Diseases correlated with SSR2 include calcaneonavicular coalition, and osteosarcoma, and among its related super-pathways are Viral mRNA Translation and Generic Transcription Pathway.

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

SSR2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 155 amino acids (18-149a.a) and having a molecular mass of 16.8kDa.

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

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SSR2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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