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# Recombinant human SSR1 protein

Catalog Number: ATGP2432

# **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

22-207aa

#### UniProt No.

P43307

#### **NCBI Accession No.**

NP 003135

### **Alternative Names**

Translocon-associated protein subunit alpha precursor, Signal sequence receptor, alpha, TRAPA

#### PRODUCT SPECIFICATION

## **Molecular Weight**

23.1 kDa (209aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

The signal sequence receptor (SSR) is a glycosylated endoplasmic reticulum (ER) membrane receptor associated with protein translocation across the ER membrane. The SSR consists of 2 subunits, a 34-kD glycoprotein encoded by this gene and a 22-kD glycoprotein. This gene generates several mRNA species as a result of complex alternative polyadenylation. This gene is unusual in that it utilizes arrays of polyA signal sequences that are mostly non-canonical. Recombinant human SSR1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

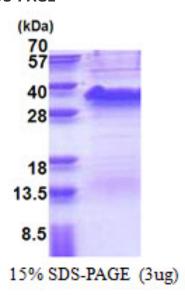
MGSSHHHHHH SSGLVPRGSH MGSRGGPRGL LAVAQDLTED EETVEDSIIE DEDDEAEVEE DEPTDLVEDK EEEDVSGEPE ASPSADTTIL FVKGEDFPAN NIVKFLVGFT NKGTEDFIVE SLDASFRYPQ DYQFYIQNFT ALPLNTVVPP QRQATFEYSF IPAEPMGGRP FGLVINLNYK DLNGNVFQDA VFNQTVTVIE REDGLDGET

## **General References**

Hartmann E., Prehn S. (1994), FEBS Lett. 349:324-326 Hirama T., Miller C.W., et al. (1999), FEBS Lett. 455:223-227

# **DATA**

# **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

