

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

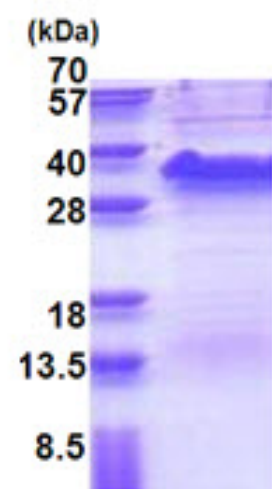
MGSSHHHHHH SSGLVPRGSH MGSRRGGPRGL LAVAQDLTED EETVEDSIIE DEDDEAEVEE DEPTDLVEDK EEEDVSGEPE
ASPSADTTIL FVKGEDFPAN NIVKFLVGFT NKGTEDFIVE SLDASFRYPQ DYQFYIQNFT ALPLNTVPP QRQATFEYSF
IPAEPMGGRP FGLVINLNYK DLNGNVFQDA VFNQTVTVIE REDGLDGET

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.

15% SDS-PAGE (3ug)