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AR51252PU-N Human SSR1 / TRAPA (22-207, His-tag) - Purified

Alternate names: SSR-alpha, Signal sequence receptor subunit alpha, TRAP-alpha, Translocon-associated protein subunit alpha

Quantity: 0.1 mg

Concentration: 0.25 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: P43307

NCBI: NP_003135

GeneID: 6745

Species: Human

Source: E. coli

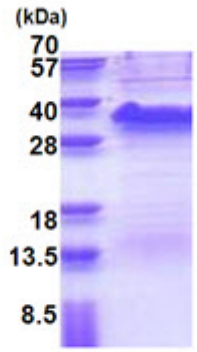
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl(pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Description: Recombinant human SSR1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSRGGPRGL LAVAQDLTED EETVEDSIIE DEDDEAEVEE
DEPTDLVEDK EEEDVSGEPE ASPSADTTIL FVKGEDFPAN NIVKFLVGFT NKGTEDFIVE
SLDASFRYPQ DYQFYIQNFT ALPLNTVVPP QRQATFEYSF IPAEPMGGRP FGLVINLNYK
DLNGNVFQDA VFNQTVTVIE REDGLDGET
Molecular weight: 23.1 kDa (209aa), confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

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

Pictures:



15% SDS-PAGE (3ug)