

## Recombinant human SSR1, His-tagged

**Cat. No.** SSR1-2432H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human SSR1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Liquid. In 20mM Tris-HCl(pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
<b>Molecular Mass</b>	23.1kDa (209aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSRRGPRGL LAVAQDLTED EETVEDSIIE DEDDEAEVEE DEPTDLVEDK EEEDVSGEPE ASPADTTILFVKGEDFPAN NIVKFLVGFT NKGTEDFIVE SLDASFRYPQ DYQFYIQNFT ALPLNTVVPP QRQATFEYSF IPAPEMGGRP FGLVINLNYK DLNGNVFQDA VFNQTVTIVIE REDGLDGET

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<b>Purity</b>	>90% by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.25 mg/ml (determined by Bradford assay)

## GENE INFORMATION

<b>Gene Name</b>	SSR1 signal sequence receptor, alpha [ Homo sapiens ]
<b>Official Symbol</b>	SSR1
<b>Synonyms</b>	SSR1; signal sequence receptor, alpha; translocon-associated protein subunit alpha; translocon associated protein alpha; TRAPA; SSR-alpha; TRAP alpha; TRAP-alpha; SSR alpha subunit; signal sequence receptor subunit alpha; translocon-associated protein alpha subunit; FLJ14232; FLJ22100; FLJ23034; FLJ78242; FLJ93042; DKFZp781N23103;
<b>Gene ID</b>	6745
<b>mRNA Refseq</b>	NM_003144
<b>Protein Refseq</b>	NP_003135
<b>MIM</b>	600868
<b>UniProt ID</b>	P43307

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**Chromosome  
Location**

6p24.3

**Pathway**

Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem;

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