

Recombinant human SSR1, His-tagged

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

SPECIFICATION

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

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	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.
Concentration	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	SSR1 signal sequence receptor, alpha [Homo sapiens]
Official Symbol	SSR1
Synonyms	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;
Gene ID	6745
mRNA Refseq	NM_003144
Protein Refseq	NP_003135
MIM	600868
UniProt ID	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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