

Recombinant Human SSR2, His-tagged

Cat. No. SSR2-7542H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SSR2 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
ProteinLength	18-149aa
Antigen 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 (alpha-SSR or SSR1) and a 22-kD glycoprotein (beta-SSR or SSR2). The human beta-signal sequence receptor gene (SSR2) maps to chromosome bands 1q21-q23.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl
Molecular Mass	16.8 kDa(155aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSEEGARLL ASKSLNRYA VEGRDLTQY NIYNVGSSAA LDVELSDDSF PPEDFGIVSG MLNVKWDRIA PASNVSTVV LRPLKAGYFN FTSATITYLA QEDGPVVIGS TSAPGQGGIL AQREFDRRFS PHFLD
Purity	>90% as determined by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml

GENE INFORMATION

Gene Name	SSR2 signal sequence receptor, beta (translocon-associated protein beta) [Homo sapiens]
Official Symbol	SSR2
Synonyms	SSR2; signal sequence receptor, beta (translocon-associated protein beta); translocon-associated protein subunit beta; TLAP; TRAPB; SSR-beta; translocon-associated protein beta; signal sequence receptor subunit beta; HSD25; TRAP-BETA; DKFZp686F19123;
Gene ID	6746
mRNA Refseq	NM_003145
Protein Refseq	NP_003136
MIM	600867
UniProt ID	P43308
Chromosome Location	1q21-q23

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Pathway

Gene Expression, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem; SRP-dependent cotranslational protein targeting to membrane, organism-specific biosystem; Translation, organism-specific biosystem; Translocon-associated protein (TRAP) complex, organism-specific biosystem;

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