Recombinant Human signal sequence receptor, delta, His-tagged

Cat. No. SSR4-382H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SSR4, 24-144aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	24-144 a.a.
Description	SSR4 is the delta subunit of the translocon-associated protein complex which is involved in translocating proteins across the endoplasmic reticulum membrane. The protein is located in the Xq28 region and is arranged in a compact head-to-head manner with the isocitrate dehydrogenase 3 (NAD+) gamma gene and both genes are driven by a CpG-embedded bidirectional promoter. Alternate splicing results in multiple transcript variants. Recombinant human SSR4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	16.1 kDa (144aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSEACLEPQ ITPSYYTTSD AVISTETVFI VEISLTCKNR VQNMALYADV GGKQFPVTRG QDVGRYQVSW SLDHKSAHAG TYEVRFFDEE SYSLLRKAQR NNEDISIIPP LFTVSVDHRG TWNG

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Purity	>90% by 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	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	SSR4 signal sequence receptor, delta [Homo sapiens]
Official Symbol	SSR4
Synonyms	SSR4; signal sequence receptor, delta; translocon-associated protein subunit delta; translocon associated protein delta; TRAPD; SSR-delta; TRAP-delta; translocon-associated protein delta; signal sequence receptor subunit delta;
Gene ID	6748
mRNA Refseq	NM_001204526
Protein Refseq	NP_001191455
MIM	300090
UniProt ID	P51571
Chromosome Location	Xq28
Pathway	Gene Expression, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific

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	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;
Function	calcium ion binding;

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