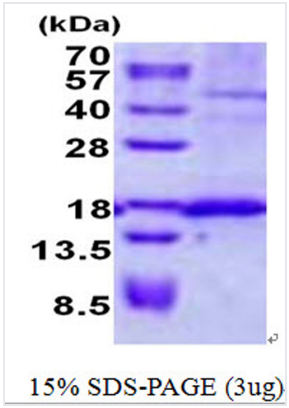
SSR4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	SSR4, Recombinant Protein
Full Product Name	SSR4, 24-144aa, Human, His tag, E Coli (Denatured)
Product Gene Name	SSR4 recombinant protein
Product Synonym Names	Translocon-associated protein subunit delta; TRAPD
Sequence	MGSSHHHHHH SSGLVPRGSH MGSEACLEPQ ITPSYYTTSD AVISTETVFI VEISLTCKNR VQNMALYADV GGKQFPVTRG QDVGRYQVSW SLDHKSAHAG TYEVRFFDEE SYSLLRKAQR NNEDISIIPP LFTVSVDHRG TWNG
Host	E Coli
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Purity/Purification	> 90% by SDS-PAGE
Concentration	1 mg/ml (determined by Bradford assay) (lot specific)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.
Molecular Weight	16.1 kDa (144aa)
OMIM	X90583 mRNA
3D Structure	ModBase 3D Structure for P51571
Antigen Species	Human
Tag Information	His-tag
Product Categories/Family for SSR4 recombinant protein	Signal Transduction
Applications Tested/Suitable for SSR4 recombinant protein	SDS-PAGE
Application Notes for SSR4 recombinant protein	This protein is denatured. Denatured protein is most likely not the best option for functional studies. Denatured protein is better suited for Western Blot (WB) or imaging assays. Applications are user determined.
Related Product Information for SSR4 recombinant protein	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.
Product References and Citations for SSR4 recombinant protein	Wang,Z., et al. (2004) Melanoma Res. 14 (2), 107-114
Other Notes	Small volumes of SSR4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SSR4 purchase	MBS205126 is a recombinant protein targeting SSR4. Also known as SSR4, 24-144aa, Human, His tag, E Coli (Denatured). Host: E Coli.



SDS-Page of SSR4 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SSR4. It may not necessarily be applicable to this product.

NCBI GI #	5454090
NCBI GeneID	6748
NCBI Accession #	NP_006271
UniProt Primary Accession #	P51571
UniProt Secondary Accession #	Q53XY1; A8K378
UniProt Related Accession #	P51571
GenBank Nucleotide #	NM_006280.2
NCBI Official Full Name	translocon-associated protein subunit delta isoform 2
NCBI Official Synonym Full Names	signal sequence receptor subunit 4
NCBI Official Symbol	SSR4
NCBI Official Synonym Symbols	CDG1Y; TRAPD
UniProt Protein Name	Translocon-associated protein subunit delta
UniProt Synonym Protein Names	Signal sequence receptor subunit delta; SSR-delta
Protein Family	SWI/SNF and RSC complexes
UniProt Gene Name	SSR4
UniProt Synonym Gene Names	TRAPD; TRAP-delta; SSR-delta
NCBI Protein Information	translocon-associated protein subunit delta
NCBI Summary for SSR4	This gene encodes the delta subunit of the translocon-associated protein complex which is involved in translocating proteins across the endoplasmic reticulum membrane. The encoded 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.[provided by RefSeq, Mar 2011]
UniProt Comments for SSR4	TRAP proteins are part of a complex whose function is to bind calcium to the ER membrane and thereby regulate the retention of ER resident proteins.
Research Articles on SSR4	**1.** We now report eight affected males with either de novo (4) or inherited (4) loss of function mutations in SSR4.

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