

# Recombinant Human SSR1

**Cat. No.** SSR1-31606TH    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human TRAP alpha with N-terminal proprietary tag, 54.05 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	254 amino acids
<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>Molecular Weight</b>	54.050kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

**Sequences of amino acids**

QDLTEDEETVEDSIIIEDEDDEAEVEEDEPTDLVEDKEEED VSGEPEASPSADTTILFV  
 KGEDFPANNIVKFLVGFTNKGT EDFIVESLDASFRYPQDYQFYIQNFTALPLNTVVPP  
 QRQA TFEYSFIPAEPMGGRPFGLVINLNYKDLNGNVFQDAVFNQ TVTVIEREDGLD  
 GETIFMYMFLAGLGLLVIVGLHQLLESR KRKRPIQKVEMGTSSQNDVDMSWIPQETL  
 NQINKASPRRL PRKRAQKRSVGSDE

**Sequence Similarities**

Belongs to the TRAP-alpha family.

## 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](#);

**Gene ID** [6745](#)

**mRNA Refseq** [NM\\_003144](#)

**Protein Refseq** [NP\\_003135](#)

**MIM** [600868](#)

**Uniprot ID** [P43307](#)

**Chromosome Location** [6p24.3](#)

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**Pathway**

Activation of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Insulin Synthesis and Processing, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;

**Function**

signal sequence binding;

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