

Recombinant Human SSR1

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

SPECIFICATION

Product Overview	Recombinant fragment of Human TRAP alpha with N-terminal proprietary tag, 54.05 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	254 amino acids
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.
Molecular Weight	54.050kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	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
KGEDFPANNIVKFLVGFTNKG ED FIVESLDASFRYPQDYQFYIQNFTALPLNTVVPP
QRQA TFEYSFIPAEPMGGRPFGLVINLNYKDLNGNVFQDAVFNQ TVTVIEREDGLD
GETIFMYMFLAGLGLLVIVGLHQLLES R 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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