

Somatostatin R1/SSR1 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P77493
Synonyms:	Translocon-associated protein subunit alpha; TRAP-alpha; SSR-alpha; TRAPA; PSEC0262
Species:	Human
Source:	HEK293
Accession:	P43307-1/NP_003135.2 (V19-T207)
Gene ID:	6745
Molecular Weight:	Approximately 55-75 kDa.

PROPERTIES

AA Sequence	<p>V L F R G G P R G L L A V A Q D L T E D E E T V E D S I I E D E D D E A E V E E</p> <p>D E P T D L V E D K E E E D V S G E P E A S P S A D T T I L F V K G E D F P A N</p> <p>N I V K F L V G F T N K G T E D F I V E S L D A S F R Y P Q D Y Q F Y I Q N F T</p> <p>A L P L N T V V P P Q R Q A T F E Y S F I P A E P M G G R P F G L V I N L N Y K</p> <p>D L N G N V F Q D A V F N Q T V T V I E R E D G L D G E T</p>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Somatostatin R1 (SSR1) is a protein involved in the regulation of endoplasmic reticulum (ER) membrane functions through its association with TRAP proteins. These TRAP proteins function within a complex dedicated to binding calcium to the ER membrane, thereby modulating the retention of resident ER proteins. SSR1 may play a role in the recycling of the translocation apparatus following the completion of the translocation process. Alternatively, it could serve as a membrane-bound chaperone, facilitating the folding of translocated proteins. The heterotetramer of TRAP proteins, composed of TRAP-alpha, TRAP-beta, TRAP-delta, and TRAP-gamma, interacts with palmitoylated calnexin (CALX), and this interaction is essential for the efficient folding of glycosylated proteins.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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