

Somatostatin

Item Number	rAP-2579
Synonyms	Growth hormone release-inhibiting factor, SST, SMS, SMST, GHIH.
Description	Somatostatin Synthetic is a single, non-glycosylated polypeptide chain containing 14 amino acids, having a molecular mass of 1637.9 Dalton and a Molecular formula of C ₇₆ H ₁₀₄ N ₁₈ O ₁₉ S ₂ . The CAS# is 38916-34-6.
Uniprot Accession Number	P61278
Amino Acid Sequence	Ala-Gly-Cys-Lys-Asn-Phe- Phe-Trp-Lys-Thr-Phe-Thr-Ser-Cys-OH.
Source	
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized SST although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Somatostatin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The protein was lyophilized with no additives. Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Somatostatin in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**