

Recombinant Human SST protein, Myc/DDK-tagged

Cat. No. SST-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human somatostatin (SST) was expressed in HEK293T, with a Myc/DDK tag.
Species	Human
Source	HEK293
Description	The hormone somatostatin has active 14 aa and 28 aa forms that are produced by alternate cleavage of the single preproprotein encoded by this gene. Somatostatin is expressed throughout the body and inhibits the release of numerous secondary hormones by binding to high-affinity G-protein-coupled somatostatin receptors. This hormone is an important regulator of the endocrine system through its interactions with pituitary growth hormone, thyroid stimulating hormone, and most hormones of the gastrointestinal tract. Somatostatin also affects rates of neurotransmission in the central nervous system and proliferation of both normal and tumorigenic cells.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Molecular Mass	10.3 kDa
AA Sequence	MLSCRLQCALAALSIVLALGCVTGAPSDPRLRQFLQKSLAAAAGKQELAKYFLAELLS EPNQTENDALEP EDLSQAAEQDEMRLELQRSANSNPAMAPRERKAGCKNFFWKT FTSC
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	SST somatostatin [Homo sapiens (human)]
Official Symbol	SST
Synonyms	SMST; SST1
Gene ID	6750
mRNA Refseq	NM_001048
Protein Refseq	NP_001039
MIM	182450
UniProt ID	P61278

Coomassie blue staining of purified SST protein. The protein was produced from HEK293T cells transfected with SST cDNA clone using MegaTran 2.0.

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