

Recombinant Human SST Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SST-5354H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SST MS Standard C13 and N15-labeled recombinant protein (NP_001039) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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.
Molecular Mass	12.74 kDa
AA Sequence	MLSCRLQCALAALSIVLALGCVTGAPSDPRLRQFLQKSLAAAAGKQELAKYFLAELLS EPNQTENDALEPEDLSQAAEQDEMRLLELQRSANSNPAMAPRERKAGCKNFFWKTF TSCTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SST somatostatin [Homo sapiens (human)]
Official Symbol	SST
Synonyms	SST; somatostatin; SMST; somatostatin 14; somatostatin 28; somatostatin-14; somatostatin-28; growth hormone release-inhibiting factor;
Gene ID	6750
mRNA Refseq	NM_001048
Protein Refseq	NP_001039
MIM	182450
UniProt ID	P61278

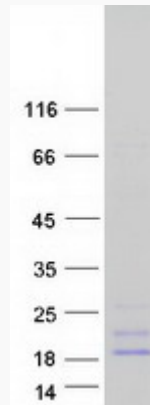
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SDS-PAGE



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