

Somatostatin 28
Synthetic Peptide
Catalog # SP3088a**Specification**

Somatostatin 28 - Product Information

Primary Accession [P60042](#)
Other Accession [P01168](#), [O46688](#), [P61278](#), [P60041](#), [P49670](#)
Sequence [NH2-SANSPAMAPRERKAGCKNFFWKFTFTSC](#)
[-COOH](#)

Somatostatin 28 - Additional Information

Gene ID 24797

Other Names

Somatostatin, Antrin, Somatostatin-28, Somatostatin-14, Sst, Smst

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Somatostatin 28 - Protein Information

Name Sst

Synonyms Smst

Function

[Somatostatin-14]: Inhibits the secretion of pituitary hormones, including that of growth hormone/somatotropin (GH1), PRL, ACTH, luteinizing hormone (LH) and TSH. Also impairs ghrelin- and GnRH- stimulated secretion of GH1 and LH; the inhibition of ghrelin- stimulated secretion of GH1 can be further increased by neuronostatin.

Cellular Location

Secreted.

Tissue Location

Somatostatin is detected in neurons throughout the brain, including in the lateral septum, nucleus accumbens, amygdaloid complex, hypothalamic periventricular nucleus, hippocampus, cortex, cerebellum and several brainstem nuclei (at protein level) (PubMed:20056135). Neuronostatin is widely expressed with highest levels in spleen and pancreas, followed by cerebrum and

hypothalamus (at protein level) (PubMed:18753129, PubMed:26561648). Neuronostatin plasma levels are higher in fasted, as compared to fed animals (PubMed:26561648). In the brain, neuronostatin is mainly present in the hypothalamic periventricular nucleus and median eminence (at protein level) (PubMed:20056135).

Somatostatin 28 - Images