

Semastatin-5A.2
Synthetic Peptide
Catalog # SP3136a

Specification

Semastatin-5A.2 - Product Information

Primary Accession
Sequence

[O13591](#)
NH2-SPWTKCSATCGGGHYMRTR-COOH

Semastatin-5A.2 - Additional Information

Gene ID 9037

Other Names

Semaphorin-5A, Semaphorin-F, Sema F, SEMA5A, SEMAF

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.

Semastatin-5A.2 - Protein Information

Name SEMA5A

Synonyms SEMAF

Function

Bifunctional axonal guidance cue regulated by sulfated proteoglycans; attractive effects result from interactions with heparan sulfate proteoglycans (HSPGs), while the inhibitory effects depend on interactions with chondroitin sulfate proteoglycans (CSPGs) (By similarity). Ligand for receptor PLXNB3. In glioma cells, SEMA5A stimulation of PLXNB3 results in the disassembly of F-actin stress fibers, disruption of focal adhesions and cellular collapse as well as inhibition of cell migration and invasion through ARHGDI-mediated inactivation of RAC1. May promote angiogenesis by increasing endothelial cell proliferation and migration and inhibiting apoptosis.

Cellular Location

Membrane; Single-pass type I membrane protein.

Semastatin-5A.2 - Images