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## DRAXIN Antibody Blocking Peptide

Catalog Number: bs-9220P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** C1orf187, also known as Draxin, Dorsal repulsive axon guidance protein and Neucrin, is a 349 amino acid secreted protein that is required of the development of the spinal cord and forebrain commissures. C1orf187 acts as a chemorepulsive guidance protein and directs commissural axons during development by repelling neurite outgrowth from the spinal cord. During development, C1orf187 modulates neural crest migration by reducing the polarization of these cells, leading to reduced velocity of migration and increased frequency of changing direction, leading to a net decrease in migrational distance. It acts as an antagonist of the Wnt signaling pathway by inhibiting the stabilization of cytosolic  $\beta$ -catenin via its interaction with LRP6. C1orf187 inhibits outgrowth from the olfactory bulb and likely contributes to the formation of the lateral olfactory tract.