

Recombinant Human SEMA4D

Catalog No: #GP11939



Package Size: #GP11939-1 100ug

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Description

Product Name	Recombinant Human SEMA4D
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 22-323 amino acids of human SEMA4D
Target Name	semaphorin 4D
Other Names	CD100; SEMAJ; coll-4; C9orf164; M-sema-G
Accession No.	Swissprot:Q92854Gene Accession:BC054500
Uniprot	Q92854
GeneID	10507;
Storage	-20~-80°C, pH 7.6 PBS

Background

Cell surface receptor for PLXN1B and PLXNB2 that plays an important role in cell-cell signaling. Promotes reorganization of the actin cytoskeleton and plays a role in axonal growth cone guidance in the developing central nervous system. Regulates dendrite and axon branching and morphogenesis. Promotes the migration of cerebellar granule cells and of endothelial cells. Plays a role in the immune system; induces B-cells to aggregate and improves their viability (in vitro). Promotes signaling via SRC and PTK2B/PYK2, which then mediates activation of phosphatidylinositol 3-kinase and of the AKT1 signaling cascade. Interaction with PLXNB1 mediates activation of RHOA.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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