

32-8456: Recombinant Human Semaphorin-4D/SEMA4D/CD100 (C-Fc)

Gene : SEMA4D
Gene ID : 10507
Uniprot ID : Q92854

Description

Source: Human Cells.
MW :106.4kD.

Recombinant Human Semaphorin 4D is produced by our Mammalian expression system and the target gene encoding Met22-Arg734 is expressed with a Fc tag at the C-terminus. Semaphorin-4D is also known as A8, BB18, GR3, CD100. Semaphorin-4D belongs to the semaphorin family containing 1 Ig-like C2-type domain, 1 PSI domain and 1 Sema domain. It is the cell surface receptor for PLXN1B and PLXNB2 that plays an important role in cell-cell signaling. It promotes the migration of cerebellar granule cells and of endothelial cells, regulates dendrite and axon branching and morphogenesis. Semaphorin-4D Plays a role in the immune system; Promotes signaling via SRC and PTK2B/PYK2, which then mediates activation of phosphatidylinositol 3-kinase and of the AKT1 signaling cascade.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : MAFAPIPRITWEHREVHLVQFHEPDIYNYALLLSEDKDTLYIGAREAVFAVNALNISEKQHEVYWKVSEDKKA
CAEKGKSKQTECLNYIRVLQPLSATSLYVCGTNAFQACDHLNLTsfkFLGKNEGKGRCPDPAHSYTSVMV
DGELYSGTSYNFLGSEPIISRNSHSPRLRTEYAIPWLNPEPSFVADVIRKSPDSDGEDDRVYFFFEVSVVEYEFV
FRVLIPRIARVCKGDQGGRLTLQKKWTSFLKARLCSRPSGLVFNVLRDVFLRSPGLKVPVFYALFTPQLNNV
GLSAVCAYNLSTAEVFSHGKYMSTTVEQSHTKWVRYNGPVPKPRPGACIDSEARAANYTSSLNLPDKTLQF
VKDHPLMDDSVTPIDNRPRLIKDVNYTQIVVDRTQALDGTVDYVDFVSTDRGALHKAISLEHAVHIIETQLFQ
DFEPVQTLSSKKNRNFVYAGSNVQAPLAFCKHGTCEDCVLARDPYCAWSPPTATCVALHQTESPSRG
LIQEMSGDASVCPDKSKGSYRQHFFKHGGTAELKCSQKSNLARVFWKFNQDVLKAESPKYGLMGRKNLLIFNL
SEGDSGVYQCLSEERVKNKTVFQVVAKHVLEVKVVPKPVVAPTLVSVQTEGSRIATKVVLVASTQGSPTPAVQ
ATSSGAILPCKPAPTGTSCPKIVINTVPLHSEKTMYLKSSDNRVDDIEGRMDEPKSCDKTHTCPPCPAPPELLG
GPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLH
QDWLNGKEYKCKVSNKALPAPIEKTKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESN
GQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVDFCSVMHEALHNHYTQKSLSLSPGK

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Biological Activity : Measured by its ability to binding Activin IIB used functional ELISA.