

32-8539: Recombinant Human Semaphorin 4G/SEMA4G (C-6His)

Gene : SEMA4G

Gene ID : 57715

Uniprot ID : Q9NTN9

Description

Source: Human Cells.

MW :74kD.

Recombinant Human Semaphorin 4G is produced by our Mammalian expression system and the target gene encoding Val18-Leu680 is expressed with a 6His tag at the C-terminus. Semaphorin-4G is belongs to the semaphorin family, contains 1 Ig-like C2-type domain, 1 PSI domain, 1 Sema domain. Semaphorins are a large family of conserved secreted and membrane associated proteins which possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Based on sequence and structural similarities, semaphorins are put into eight classes: invertebrates contain classes 1 and 2, viruses have class V, and vertebrates contain classes 3-7. Semaphorins serve as axon guidance ligands via multimeric receptor complexes, some (if not all) containing plexin proteins. This gene encodes a class 4 semaphorin.

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 : VPGPSLRRPSRELDATPRMTIPYEELSGTRHFQKQAQNYSTLLLEEASARLLVGARGALFSLANDIGDGAHKEI
HWEASPEMQSKCHQKGNQTECFNHVRFLQRLNSTHLYACGTHAFQPLCAAIDAEFTLPTSFEEGKEKCPY
DPARGFTGLIIDGGTYATRYEFRSIPDIRRSRHPHSLRTEETPMHWLNDAEFVFSVLVRESKASAVGDDDKVYY
FFTERATEEGSGSFTQSRSSHRVARVARVCKGDLGGKILQKKWTSFLKARLICHIPLYETLRGVCSLDAETSSR
THFYAAFTLSTQWKTLEASAICRYDLAEIQAVFAGPYMEYQDGSRRWGRYEGGVPEPRPGSCITDSLRSGYN
SSQDLPSLVLDVFKLHPLMARPVVPTGRPLLLKRNIRYTHLTGTPVTPAGPTYDLLFLGTADGWIHKAVVLGS
GMHIIETQVFRESQSVENLVISLLQHSLYVGAPSGVIQLPLSSCSRYRSCYDCILARDPYCGWDPGTHACAAAT
TIANRSQGSRTALIQDIERGNGCESSRDTGPPPLKTRSVLRGDDVLLPCDQPSNLARALWLLNGSMGLSDG
QGGYRVGVDGLLVTDQAPEHSGNYGCYAEENGLRLLASYSLTVRPATPAPAPKAPATPGAQLAPDVRLVDHH
HHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.