

32-7995: Recombinant Human Semaphorin-3A/SEMA3A (C-6His)(Discontinued)

Gene : SEMA3A

Gene ID : 10371

Uniprot ID : Q14563

Description

Source: Human Cells.

MW :87.3kD.

Recombinant Human Semaphorin 3A is produced by our Mammalian expression system and the target gene encoding Asn21-Val771 is expressed with a 6His tag at the C-terminus. Semaphorin-3A is a secreted protein which belongs to the semaphorin family. Semaphorins are a family of secreted and cell-bound signaling molecules defined by the presence of a common 500 aa Sema domain. This protein can function as either a chemorepulsive agent, inhibiting axonal outgrowth, or as a chemoattractive agent, stimulating the growth of apical dendrites. In both cases, the protein is vital for normal neuronal pattern development. Increased expression of this protein is associated with schizophrenia and is seen in a variety of human tumor cell lines.

Product Info

Amount : 6His) / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.
Storage condition : 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 : NYQNGKNNVRLKLSYKEMLESNNVITFNGLANSSSYHTFLLDEERSRLYVGAKDHIFSFDLVNIKD
FQKIVWPVSYTRDECKWAGKDILKECANFIKVLKAYNQTHLYACGTGAFHPICTYIEIGHHPEDNIF
KLENSHFENGGRGKSPYDPKLLTASLLIDGELYSGTAADFMRDFAIFRTLGHHPHPIRTEQHDRLWL
NDPKFISAHLSIESDNPEDDKVYFFFRENAIDGEGHSGKATHARIGQICKNDFGGHRSVLNKKWTFLK
ARLICSVPGPNGIDTHFDELQDVFLMNFKDPKNPVVYGVFTTSSNIFKGSVCMYSMSDVRRVFLG
PYAHRDGPNYQWVPYQGRVPYPRPGTCPSKTFGGFDSTKDLDPDDVITFARSHPAMYNPVPFPMNN
RPIVIKTDVNYQFTQIVVDRVDAEDGQYDVMFIGTDVGTVLKVVSIPKETWYDLEEVLLLEMTVFRE
PTAISAMELSTKQQQLYIGSTAGVAQLPLHRCDIYGKACAECCCLARDPYCAWDGSAACSRYFPTAKR
ATRAQDIRNGDPLTHCSDLHHDNHHGHSPEERIIYGVENSSTFLECSPKSQRALVYWQFQRRNEE
RKEEIRVDDHIIRTDQGLLLRSLQKQKDSGNLYLCHAVEHGFIQTLLKVTLEVIDTEHLEELLHKDDDDGD
GSKTKEMSNSMTPSQKVWYRDFMQLINHPNLNTMDEFCEQVWKRDRKQRRQRPGHTPGNSNK
WKHLQENKKGRNRRTHEFERAPRSVHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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