

Specifications:

Gene:	mPlxna1
Accession:	NP_032907
Insert size:	5697bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

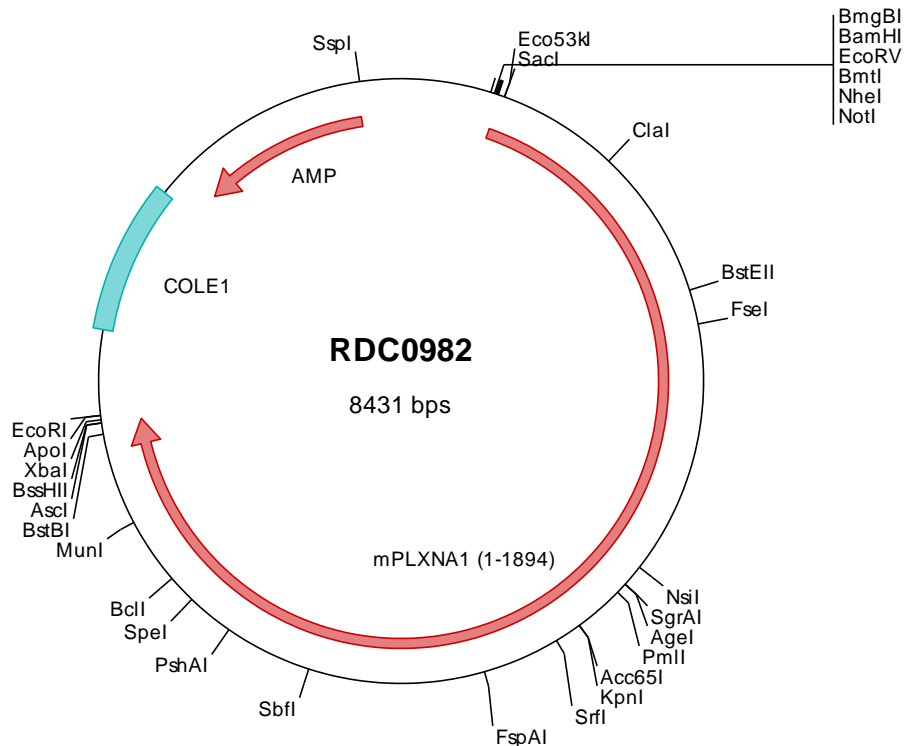
mPlexin A1 cDNA Plasmid

Plxna1 plexin A1 [*Mus musculus* (house mouse)]

Also known as: NOV; Plxn1; PlexA1

Summary:

PLXNA1 is a member of the Plexin family of semaphorin signal transducers. Plexin signaling induces cytoskeletal remodeling, which mediates cell migration and axon repulsion. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of downstream signaling events in the cytoplasm. PLXNA1 is frequently expressed in malignant pleural mesothelioma.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



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7701 gtcacgctcg tcgtttgga tggcttcatt cagctccggt toccaacgat caaggcgagt tacatgatcc cccatgttgt gcaaaaaagc ggtagctcc
7801 ttcggtcctc cgatogttgt cagaagtaag ttggccgcag tgttatcact catggttatg gcagcactgc ataattctct tactgtcatg ccatccgtaa
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8201 taaggcgac acggaatgt tgaactca tactcttctc ttttcaatat tattgaagca tttatcaggg ttattgtctc atgagcggat acatatttga
8301 atgtatttag aaaaataaac aaataggggt tccgcgcaca tttcccccga aagtgccacc tgacgtctaa gaaaccatta ttatcatgac attaacctat
8401 aaaaatagc gtatcacgag gccctttcgt c

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> RDC0982 Translated Insert Sequence

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1 mplpplsrt lllllllllr gwiaisspp aglqpqaftr tfvasdwglt hlvvheqtge vyvgavnriy klsnltllr ahvtgpvedn ekcypppsvq
101 scphglgstd nvnklillyd aanrllacgs asggicqflr lddlfklgep hhrkehylls vreagsmagv liagppggqg aklfvgtpid gkseyfptls
201 srllmaneed admfgfvygd efvssqlkip sdtlskfpaf diyyvysfrs eqfvyytltg ldtqltspda agehffttski vrlcvndpkf ysyvefpigc
301 eqagveyrlv qdaylrsrgq alakqlglae deevlftvfa qgqknrvkpp kesalclftl raiketikier iqscyrgegk lslpwillnke lgcinsplqi
401 dddfcgqdfn qplggtvtie gtplfvdked gltavaaydy qgrtvvfvagt rsgrirkilv dlanpsgrpa layesvvage gnpilrdlvl sprnrylyam
501 tekqvtqvpv escvqytsce lclgsrdphc gwcvlhsics rqdaceraee pqrfasdllq cvqltvqprn vsvtmsqvpl vlqawnvpdl sagvnscsfed
601 ftetesiled grihchspsa revapitggq gdqrvvkllyl ksketgkkfa svdfvfyncs vhsqslacvn gsfpchwcky rhvctnaad caflegrvnm
701 sedcpqilps thiyvpvqv kpitlaarnl pqpqsggrgy eclfhipgsp arvtalrfns sslqcqnsy syegndvsdl pvnlsvwnng nfvindpni
801 qahlykcpal rqsclclka dprfecgwcv aerrcslrhh cpadspaswm hahhgssrct dpkilklspe tgprqggtrl titgenlglr fedvrlgvhv
901 gkvlcspves eyisaeqivc eigdastlra hdalvevcvr dcslhlyrals pkrftfvtpf fyrvpsprgp lsggtwigie gshlnagsdv avsiggrpcs
1001 fswrnsreir cltppghtpg sapivinindr aqlsnpevny nytedptilr idpewinsng gtlltvtgtn latvreprir akyggieren scmvyndttm
1101 vcrapsidnp krspgelger pdeigfimdn vrtllvlnss sflyydpvl episptglll lkpssplilk grnllppapg nsrlnytvlv gstpciltvs
1201 etqllceapn ltgqhkvtvr aggfefspgm lqvysdslt lpaivgiggg glllllviva vliaykrksr dadrtlklrlq lqmdnlesrv aleckeafae
1301 lqtdihelts dldgagipfl dyrtyamrvl fpgiedhpvl kemevqanve kslltlfqll tkkhflltfti rtleaqrfsf mrdrgnvasl imtalqgame
1401 yatgvlkqll sdlienkles knhpklrr tesvaekmlt nwftfllykf lkecageplf mlycaikqgm ekgpidaigt earyslsedk lirqqidykt
1501 ltlncvneh enapevpvkg lncdvtqvk eklldavykg vpysqrpqag dmdlewrqgr mariildged vttkidndwk rntlahyqv tdgssvalvp
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1701 stahrgsalp laikymfdfl deqadkqhjh dsdvrhtwks nclplrfwvn viknpqfvfd ihknsitdac lsvvaqtfmd scstsehkglg kdspsnkllly
1801 akdipnyksw veryyadiak mpaisdqdms aylaeqsrhh lsqfnsmsal heiysiyaki kdelivalek deqarrqrlr skleqvvdttm alss

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