

Product datasheet for MR226328

Plxna4 (NM_175750) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plxna4 (NM_175750) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plxna4
Synonyms:	9330117B14; mKIAA1550; Plxa4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226328 representing NM_175750 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCTGGAAGTGGACTGCCTGCTCTCCACCTGCTGGTGGTAGGGATGGGCTCCTCCACTCTGCTTC
CACGACAGCCACCCAGCTGTCTCAGAAGCCTTCTTTGTGACATTCGAGGGGAGCCTGCTGAGGGCTT
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TACATCATGTGAGAAAGGCAGCTTACCAGAGTTCTGTGGAGTCCTGTGGGCAGTACCGGAGCTGTGGCG
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Protein Sequence:

>MR226328 representing NM_175750
 Red=Cloning site Green=Tags(s)

MPWNWTCLLSHLLVVGMSSTLLPRQPQLSQKPSFVTFRGEPAEGFNHLVVDERTGHIYLGAVNRIYKL
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 AYYFHDEFVAMIKIPSDTFTVIPDFDIYVYVGFSSGNFVYFLTLQPEMVSPPGTTKEQVYTSKLVRLC
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 RPKAADMDLEWRQSGARMILQDEDITTKIENDWKRLNTVAHYQVPDGSVVALVSKQVTA YNAVNNSTVS
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 PQFVFDIHKNSITDAQLSVVAQTFMDCSTSEHRLGKDSPSNKLLYAKDIPSYKNWVERYSDIGKMPAI
 SDQDMNAYLAEQSRMHMNEFNMSALSEIFSYVGKYSEEILGPLDHDQCGKQKLAYKLEQVITLMSLDS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_175750.1](#), [NM_175750.2](#)

RefSeq Size: 12602 bp

RefSeq ORF: 5682 bp

Locus ID: 243743

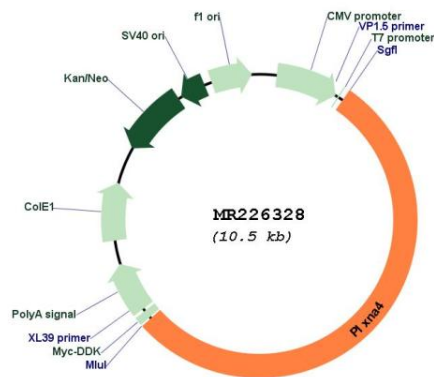
UniProt ID: [Q80UG2](#)

Cytogenetics: 6 A3.3

MW: 213 kDa

Gene Summary: Coreceptor for SEMA3A. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance in the developing nervous system. 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 down-stream signaling events in the cytoplasm. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226328