

Product datasheet for **MR207951**

Plagl2 (NM_018807) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plagl2 (NM_018807) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plagl2
Synonyms:	AU018672; AW552839; mKIAA0198
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207951 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCACATTTTACCAGCGTCCCTCCCTGGATTCAAGATGCAAAGCAGGAGGAGGAAGTGGGCTGGA
 AACTAGTTCACAGGCCTCGGGGCGGGAGGCAGAGAGTCAAGTGAAGTGCCAATGTGAAATCTCGGGGAC
 ACCATTTTCAAATGGGGAGAAGCTAAGGCCTCACAGCCTTCCCCATCCGAGCAGAGACCATATAGCTGT
 CCTCAGCTGCACTGCGGCAAGGCTTTTGCCTCCAAGTACAAGCTGTATAGGCACATGGCCACCCACTCGG
 CCCAGAAACCCACCAGTGCATGTACTGTGACAAGATGTTTACCAGAAAGGACCATCTGCGGAACCACTT
 GCAGACCCATGACCCCAACAAAGAGGCCCTCCACTGCTCTGAGTGTGGTAAAGATTATAACAAAGCTG
 GGATACCGTCGTACCTGGCCATGCATGCTGCCAGCAGTGGTATCTCAGCTGCAAGGTGTGCTGCAG
 CCTTTGAGAGTACCCAGGCCCTATTGGAGCACCTGAAGGCTCACTCACGCCGGTAGCAGGAGGTGCTAA
 GGAGAAGAAGCACCCCTGTGACCATTGTGACAGCGGTTCTATACTCGGAAGGATGTCCGACGGCACCTA
 GTGGTGCACACAGGTCGTAAGGACTTCCCTGTGTCAGTACTGTGCCAGAGATTTGGCCGCAAGGATCACC
 TGACACGCCATGTCAAGAAGAGCCACTCACAGGAAGTCTCAAGATCAAGACAGAGCCAGTGGATATGTT
 AGGCTTGCTCAGCTGTAGCTCTACAGTCAGTGTAAAGGAAGAGCTGAGCCCTGTGCTTTGCATGGCCTCT
 CGGGACGTGATGGGGGCTAAGGCCTTCCCTGGCATGTTGCCCATGGGTATGTATGGTGCCACATCCCTA
 CCATGCCCAGTGGGGCATGCCACACTCCCTGGTGACAACACACTGCCCATGGGTATGAGTTACCTCT
 GGAATCTTCTCTATCTCTCCTCAGCTCAGCTCCCTCCAAAATACCAGTTGGATCTACCTCATACTTG
 CCCGACAACTGCCAAAGTGGAGGTGGATAGTTTTCTGGCAGAGCTTCTGGAAGCCTGTCTCTCTCT
 CGGTGAACCTCAGCCCGCTCACCTCAGCCGGCGCAGCTGCAGCCCTCCTGGATGAAGCACTGCTCGC
 CAAGAGTCCCAGCAACCTCTCCGAGGCCCTCTGCGCTGCTAATGTGGACTTTTCCCACTTACTGGGCTTT
 CTTCCGCTCAACCTACCCCATGTAACCCACCAGGGGCCACAGGAGGCTTGGTTATGGGCTACTCCAAG
 CTGAGGCACAGCCTTTGCTCACCCTTTGCAGGCTCAGCCTCAAGATTCCGCTGGAGCTGGGGGACCCCT
 GAACCTTTGGGCTCTGCACTCCTTACCTCTGTCTTACCTCTGGCTGAGTACCACCACCTGCCTCGT
 TTCACCAAGCATTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207951 protein sequence
 Red=Cloning site Green=Tags(s)

MTTFFTSVPPWIQDAKQEEVGVWKL VPRPRGREAESQVKCQCEISGTPFSNGEKL RPHSLPHPEQRPYSC
 PQLHCGKAFASKYKLYRHMATHSAQKPHQCMYCDKMFHRKDHLRNHLQTHDPNKEALHCSECGKNYNTKL
 GYRRHLAMHAASSGDL SCKVCLQTFESTQALLEHLKAHSRRVAGGAKEKKHPCDHCDRRFYTRKDVRRHL
 VVHTGRKDFLCQYCAQRFGRKDHLTRHVKKSQSLELLKIKTEPVDMGLLSCSSTVSVKEELSPVLCMAS
 RDVMGAKAFPGMLPMGMYGAHIPTMPSAGMPHSLVHNTLPMGMSYPLESSPISSSAQLPPKYQLGSTS
 SYL PDKLPKVEVDSFLAELPGSLSSAEPQPASPQAAAAALLDEALLAKSPANLSEALCAANVDFSHLLGF
 LPLNLPCCNPPGATGGLVMGYSQAEAPLLTTLQAQPQDSAGAGGPLNFGPLHSLPPVFTSGLSTTLPR
 FHQAFQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_018807

ORF Size: 1491 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_018807.5](#), [NP_061277.2](#)

RefSeq Size: 5407 bp

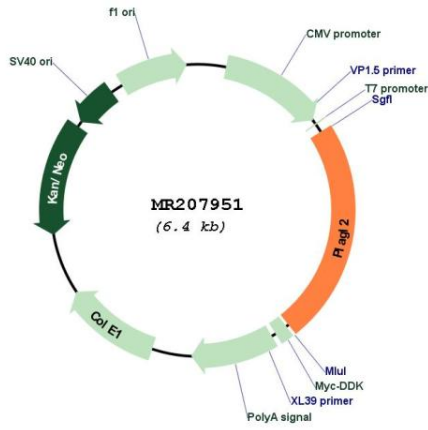
RefSeq ORF: 1491 bp

Locus ID: 54711

Cytogenetics: 2 H1

MW: 54.5 kDa

Product images:



Circular map for MR207951