

Product datasheet for **MG207951**

Plagl2 (NM_018807) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plagl2 (NM_018807) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plagl2
Synonyms:	AU018672; AW552839; mKIAA0198
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207951 representing NM_018807
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCACATTTTACCAGCGTCCCTCCCTGGATTCAAGATGCAAAGCAGGAGGAGGAAGTGGGCTGGA
 AACTAGTTCACAGCCTCGGGGCGGGAGGCAGAGAGTCAAGTGAAGTGCCAATGTGAAATCTCGGGGAC
 ACCATTTTCAAATGGGGAGAAGCTAAGGCCTCACAGCCTTCCCCATCCGAGCAGAGACCATATAGCTGT
 CCTCAGCTGCACTGCGGCAAGGCTTTTGCCTCCAAGTACAAGCTGTATAGGCACATGGCCACCCACTCGG
 CCCAGAAACCCACCAGTGCATGTACTGTGACAAGATGTTTACCAGAAAGGACCATCTGCGGAACCACTT
 GCAGACCCATGACCCCAACAAAGAGGCCCTCCACTGCTCTGAGTGTGGTAAGAATTATAATAACAAAGCTG
 GGATACCGTCGTCACCTGGCCATGCATGCTGCCAGCAGTGGTATCTCAGCTGCAAGGTGTGCCTGCAGA
 CCTTTGAGAGTACCCAGGCCCTATTGGAGCACCTGAAGGCTCACTCACGCCGGTAGCAGGAGGTGCTAA
 GGAGAAGAAGCACCCCTGTGACCATTGTGACAGCGGTTCTATACTCGGAAGGATGTCGACGGCACCTA
 GTGGTGCACACAGGTGTAAGGACTTCCGTGTGTCAGTACTGTGCCAGAGATTTGGCCGCAAGGATCACC
 TGACACGCCATGTCAAGAAGAGCCACTCACAGGAAGTGTCAAGTCAAGACAGAGCCAGTGGATATGTT
 AGGCTTGCTCAGCTGTAGCTCTACAGTCAGTGTAAAGGAAGAGCTGAGCCCTGTGCTTTGCATGGCCTCT
 CGGGACGTGATGGGGGCTAAGGCCTTTCCTGGCATGTTGCCCATGGGTATGTATGGTGCCACATCCCTA
 CCATGCCAGTGGGGCATGCCACACTCCCTGGTGACAACACACTGCCCATGGGTATGAGTTACCTCT
 GGAATCTTCTCTATCTCTCCTCAGCTCAGCTCCCTCCAAAATACCAGTTGGATCTACCTCATACTTG
 CCCGACAACTGCCAAAGTGGAGGTGGATAGTTTTCTGGCAGAGCTTCTGGAAGCCTGTCTCTCTCT
 CGGCTGAACCTCAGCCCGCTCACCTCAGCCGGCGCAGCTGCAGCCCTCCTGGATGAAGCACTGTCGC
 CAAGAGTCCCGCAACCTCTCCGAGGCCCTCTGCGCTGCTAATGTGGACTTTTCCCACTTACTGGGCTTT
 CTTCCGCTCAACCTACCCCATGTAACCCACCAGGGGCCACAGGAGGCTTGGTTATGGGCTACTCCAAAG
 CTGAGGCACAGCCTTTGCTCACCCTTTGCAGGCTCAGCCTCAAGATTCCGCTGGAGCTGGGGGACCCCT
 GAACTTTGGGCTCTGCACTCCTTACCTCTGTCTTACCTCTGGCTGAGTACCACCACCTGCCTCGT
 TTCACCAAGCATTCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207951 representing NM_018807
 Red=Cloning site Green=Tags(s)

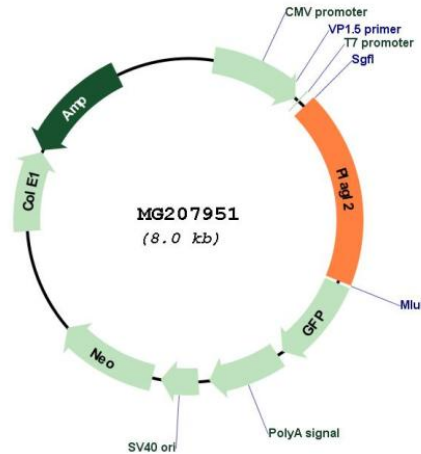
MTTFFTSVPPWIQDAKQEEVGVWKL VPRPRGREAESQVKCQCEISGTPFSNGEKL RPHSLPHPEQRPYSC
 PQLHCGKAFASKYKLYRHMATHSAQKPHQC MYCDKMFHRKDHLRNHLQTHDPNKEALHCSECGKNYNTKL
 GYRRHLAMHAASSGDL SCKVCLQTFESTQALLEHLKAHSRRVAGGAKEKKHPCDHCDRRFYTRKDVRRHL
 VVHTGRKDFLCQYCAQRFGRKDHL TRHVKKSHSQELLIKTEPVDMLGLLSCSSTVSVKEELSPVLCMAS
 RDVMGAKAFPGMLPMGMYGAHIPTMPSAGMPHSLVHNTLPMGMSYPLESSPISSSAQLPPKYQLGSTSYL
 PDKLPKVEVDSFLAELPGSLSLSSAEPQASPQAAAAALLDEALLAKSPANLSEALCAANVDFSHLLGF
 LPLNLPNCNPPGATGGLVMGYSQAEAPLLTTLQAQPQDSAGAGGPLNFGPLHSLPPVFTSGLSTTLPR
 FHQAFQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN: NM_018807

ORF Size: 1488 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