

Product datasheet for **MG209510**

Frmd6 (BC053929) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Frmd6 (BC053929) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Frmd6
Synonyms:	2610019M19Rik; 4930488L10Rik; AW212977; Willin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG209510 representing BC053929
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACAAACTGACCTTCCATAACAACAAGCCATGCAGGACCGTCGAGAGTGTGTATTTCTCCCA
 ATGACAAGTCCGTGAGCATCATATAAATGTTAAATTCGTGTACCAGTTGCTGGTCCAGGTGTGTGA
 CCTGCTCAGGTTAAAGGACAGTCACCTCTTTGGTCTCAGTGTTATACAAAATAATGAACATGTATATG
 GAATTGTCACAAAAGCTTTATAAGTATTGTCCAAAAGAATGAAAAAGGAGGCCAGCAAGGTACGGCAAT
 ACGAAGTCACTTGGGCATCGACCAGTTTGGGCCCCCATGATCATCCACTTCGGGTGCAGTACTACGT
 GGAGAATGGGAAGCTGATCAGTGACCGAATTGCAAGATACTATTACTGGCACCTACGGAAACAGGTG
 CTGCACTCCCAGTGTGTCTCAGAGAGGAGGCCTACTTCTGCTGGCAGCCTTTCAGTCAAGCTGACC
 TCGGCAACTTCAAAGGAAACTGCACCAGGAGACTACTTTGAGCCAGAGGCTTACTTCCGGCATGGGT
 TGTTTCCAAGCGGGGAAGGACTACATCTGAAACACATCCCAAACATGCACAAGGACCAGTTTGCCTG
 ACGGCCTCCGAGGCTACCTAAAGTACATCAAAGAAGCCGTCGACTGGACGACGTGCCATCCATTACT
 ACAGACTGTACAAGGATAAAAGGGAGGCTGAAGGCTCACTGACCCTAGGACTGACCATGCGAGGAATACA
 GATTTTTCAGAATCTAGAAGAAGAGAAACAATTGCTCTATGATTTCCCCTGGACAATGTTGGGAAGTTG
 GTGTTTGTGGCAAGAAGTTTGAGATTTGCCAGATGGCCTTCCCTCCGCCAGGAAGCTGGTCTACTACA
 CAGGGTGTCCCACGCGCTCCCGCATCTCTGCAGCTCCTGAGCAACAGCCACCGCCTCTACATGAACCT
 GCAGCCGCTCTGCGCCACCTCCGAAGCAGGAGGAGAATGAAGAGAAAAAGCAGTACCGGGAATCCTAC
 ATCAGCGACAACCTGGACCTTGACATGGACCCGCTGAAAAAGCGTCCCGAGCCAGTGGGAGCAGCGTG
 GCAGCGTGAAGCATAAGCGCCTGTCCCGCACTCCACGGCCAGCCACAGCAGTCCCACACTCCGGCAT
 CGAGGCAGACACCAAGCCCCGGGACCCAGGGCCGGAAGACAGCTGTTCCAGGCAGCCCATGCACCCGGAAG
 CTGAAGACCTGCAGCTCCATGACCAGCCACGGCAGCTCCACACCTCTGGGGTTGAGAGTGGAGGCAAAG
 ACCGCCTGGAAGAGGACTCGCAAGATGAGGAAATCGAGATGCTGGTGGATGACCCAGGGACCTGGAGCC
 GATGCCTGAAGAGTCGCTGGAAGTCAGCCAGAGATGTGTATCTACATCACGGAAGATATGCTCCTGTG
 AGGAAGCTGAACGGACTCAGGGTTAATTGTGAAAGAAATCGGCTCCTCCACCTCCAGCTCTTCGAAA
 CGGTTGTCAGGCTGCGTGGACAGACACCGACTCCCTCCACAGACGATATGTCGAAAACCAAAGACTTC
 CACCGATGCCATAGCCTGAGCCTTGACGACATCAGACTGTACCAGAAAGACTTCTGCGCATCGCGGGC
 CTGTGTCAGGACTGCTCAGAGCTACAGTTTGGGTGTGCCATGAACTGGATGAGAGCGGTCTCTACT
 GCAACAGCTGCCTGGCTCAGCAGTGTGCAACATACAGGACGCATCCCAGTGAAAAGAGCCAGCAAGTA
 CTTTTCTCTGACCTTACTCACGACGAAGTCCCAGAGTTCGTCGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209510 representing BC053929
 Red=Cloning site Green=Tags(s)

MNKLTFHNNKAMQDRRVCIFLPNDKSVSIIINVKILCHQLLVQVCDLLRLKDSHLFGLSVIQNNEHVYM
 ELSQKLYKYCPKEWKKEASKVRQYEVTWIDQFGPPMI IHFRVQYYVENGKLI SDRIARYYYYWHLRKQV
 LHSQCVLREEAYFLAALQADLGNFKRKLHHGDYFEPEAYFPWVSKRGKDYILKHIPNMHKDQFAL
 TASEAYLKYIKEAVRLDDVAIHYYRLYKDKREAEGSLTLGLTMRGIQIFQNL EEEKQLLYDFPWTNVGKL
 VYVGGKFEILPDGLPSARKLVYYTGCPTRSRHLLQLLSNSHRLYMNLPVLRHLRKQEENEKQYRESY
 ISDNLDLMDPLEKRSRSGSSAGSVKHKRLSRHSTASHSSHTSGIEADTKPRDPGPEDESCSGSAMHRK
 LKTCSSMTSHGSSHTSGVESGGKDRLEEDSQDEEIEMLVDDPRDLEPMPEESLEVSPEMCIYITEDMLLS
 RKLNGHSLIVKEIGSSTSSSETVVRLRGQSTDLSLPQTICRKPKTSTRHSLSLDDIRLYQKDFLRIAG
 LCQDTAQS YTFGCGHELDESGLYCN SCLAQQCVNIQDAFPVKRASKYFSLDLTHDEVPEFVY

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC053929

ORF Size: 1868 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: [BC053929](#), [AAH53929](#)

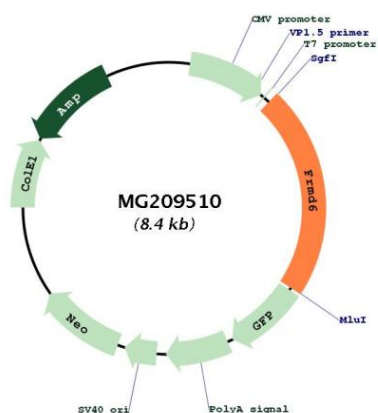
RefSeq Size: 4695 bp

RefSeq ORF: 1868 bp

Locus ID: 319710

Cytogenetics: 12 C2

Product images:



Circular map for MG209510