

## Product datasheet for **MG223842**

### **Fgfr1 (NM\_001164259) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fgfr1 (NM\_001164259) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Fgfr1  
**Synonyms:** FGFR5; FGFR5beta; FGFR5gamma  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG223842 representing NM\_001164259  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGGGAGCCCCGCGCTGCTGCTGCTATTGGGGCCCTCCCGTCGGCTGAGGGCGCGGAGATG  
ATATTAGTCCAGGGAAGGAGAGCCCTGGGCCAGGTGGTCTTCGGGGGGCCAGGAGGACCCAGCCAGCCA  
GCAGTGGGCACGGCCTCGCTTACACAGCCCTCCAAGTAGAGCGCCGAGTGATTGCACGGCCTGTGGGT  
AGCTCTGTGCGGCTCAAGTGTGTGGCCAGTGGCACCCACGGCCAGACATCATGTGGATGAAGGATGACC  
AGACCTTGACGCATCTAGAGGCTAGTGAACACAGAAAGAAGAAGTGGACACTGAGCTTGAAGAACCTGAA  
GCCTGAAGACAGTGGCAAGTACACGTGCCGTGTATCTAACAAGGCCGGTGCCATCAACGCCACCTACAAA  
GTGGATGTAATCCAGCGGACTCGTTCCAAGCCTGTGCTCACAGGGACACACCCTGTGAACACAACGGTGG  
ACTTCGGTGGGACAACGTCCTTCCAGTGAAGGTGCGCAGTGACGTGAAGCCTGTGATCCAGTGGCTGAA  
GCGGGTGGAGTACGGCTCCGAGGGACGCCCAACTCCACCATTGATGTGGGTGGCCAGAAGTTTGTGGTG  
TTGCCACGGGTGATGTGTGGTCACGGCCTGATGGCTCTACCTCAACAAGCTGCTCATCTCGGGCCC  
GCCAGGATGATGCTGGCATGTACATCTGCCTAGGTGCAATACCATGGGTACAGTTTCCGTAGCGCCTT  
CCTCACTGTATTACCAGACCCCAAACTCCAGGGCCTCCTATGGCTTCTCATCGTCATCCACAAGCCTG  
CCATGGCCTGTGGTATCGGCATCCCAGCTGGTGTCTTTCATCCTAGGCACTGTGCTGCTGTGGCTT  
GCCAGACCAAGAAGAAGCCATGTGCCCAAGCATCTACACTTCTGTGCCTGGGCATCGTCCCCAGGGAC  
ATCCCCGAGAACGCAGTGGTGACAAGGACCTGCCCTCATTGGCTGTGGGCATATGTGAGGAGCATGGATCC  
GCCATGGCCCCCAGCACATCTGGCCTCTGGCTCAACTGCTGGCCCCAAGCTGTACCCCAAGCTATACA  
CAGATGTGCACACACACACATACACACACCTGCACTCACACGCTCTCATGTGGAGGGCAAGGTTTCATC  
AACACCAGCATGTCCACTATCAGTGCTAAATACAGCGAATCTCCAAGCACTGTGCTCTGAGGTAGGCATT  
TGGGGCCAAGGCAACAGGTTGGGAGAATTGAGAACAAATGGAGGAAGAGTATCT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG223842 representing NM\_001164259  
Red=Cloning site Green=Tags(s)

MTRSPALLLLLLGALPSAEARDDISPGKESPGPGSSGGQEDPASQQWARPRFTQPSKMRRRVIARPVG  
 SSVRLKCVASGHPRPDIMWMKDDQTLTHLEASEHRKKKWTLSLKNLKPEDSGKYTCRVSNKAGAINATYK  
 VDVIQRTRSKPVLGTGHPVNTTVDFGGTTSFQCKVRSVDKVPVIQWLKRVEYEGSEGRHNSTIDVGGQKFVV  
 LPTGDVWSRPDGSYLNKLLISRARQDDAGMYICLGANTMGYSFRSAFLTVLPDPKPPGPPMASSSSSTSL  
 PWPVVIGIPAGAVFILGTVLLWLCQTKKKPCAPASTLPVPGHRPPGTSRERSGDKDLPSLAVGICEEHGS  
 AMAPQHILASGSTAGPKLYPKLYTDVHTHTHTCTHTLSCGGQGSSTPACPLSVLNTANLQALCPEVGI  
 WPRQVVGRIENNGGRVS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001164259

**ORF Size:** 1314 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\\_001164259.1](#), [NP\\_001157731.1](#)

**RefSeq Size:** 2383 bp

**RefSeq ORF:** 1317 bp

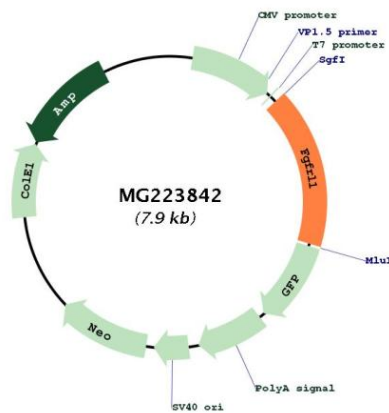
**Locus ID:** 116701

**UniProt ID:** [Q91V87](#)

**Cytogenetics:** 5 F

**Gene Summary:** Has a negative effect on cell proliferation.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG223842