

Product datasheet for **MG203484**

Fgf5 (NM_010203) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf5 (NM_010203) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fgf5
Synonyms: angora; Fgf-5; Fgf3a; go; HBGF-5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203484 representing NM_010203
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCCTGTCCTTGCTCTTCCTCATCTTCTGCAGCCACCTGATCCACAGCGCTTGGCTCACGGGGAGA
 AGCGTCTCACTCCCGAAGGGCAACCCGCGCTCTAGGAACCCGGGAGACTCCAGCGGCAGCCGGGGCAG
 AAGTAGCGCGACGTTTTCTTCGCTTCTGCCTCCTCACCAGTCGAGCTTCTCCGGGCAGCCAAGGAAGC
 GGCTCGGAACATAGCAGTTTCCAGTGGAGCCCTTCGGGGCGCCGACCGGCAGCCTGTACTGCAGAGTGG
 GCATCGGTTTTCCATCTGCAGATCTACCCGGATGGCAAAGTCAATGGCTCCACGAAGCCAGTGTGTTAAG
 TATTTTGGAAATATTTGCTGTGTCTCAGGGATTGTAGGAATACGAGGAGTTTTACGAACAATTTTTTA
 GCGATGTCAAAAAAGGAAAACCTCCATGCAAGTGCCAAATTTACGGATGACTGTAAGTTCAGGGAGAGAT
 TCCAAGAAAACAGCTATAATACCTATGCGTCCGCGATCCACAGAAGTCAAAGACAGGCCGAGAGTGGTA
 CGTGGCCCTGAACAAGAGAGGGAAAGCCAAGAGAGGCTGCAGCCACGGGTCAAACCCCAACACGCTCC
 ACCCACTTCTACCCAGGTTCAAGCAGTCCGAGCAACCGGAATTTCTTCAACCGTCACTGTTCCAGAAA
 AGAAAAAGCCACCGGTGAAACCAAAGGTGCCCTGTGCGAGCCTCGCAGAAGTCCAGCCAGTGAAGTA
 CAGACTGAAGTTTCGCTTTGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203484 representing NM_010203
 Red=Cloning site Green=Tags(s)

MSLSLLFLIFCSHLIHSAWAHGEKRLTPEGQPAPPRNPGDSSSGSRGRSSATFSSSSASSPVAASPGSQGS
 GSEHSSFQWSPSGRRTGSLYCRVIGIGFHLQIYPDGVNGSHEASVLSILEIFAVSQGIVGIRGVFSNKFL
 AMSKKGKGLHASAKFTDDCKFRERFQENSYNTYASAIHRTEKTGREWYVALNKRKAKRGCSPRVKPQHVS
 THFLPRFKQSEQPELSFTVTVPEKKKPPVKPKVPLSQPRRSPSPVKYRLKFRFG

TRTRPLE - GFP Tag - V

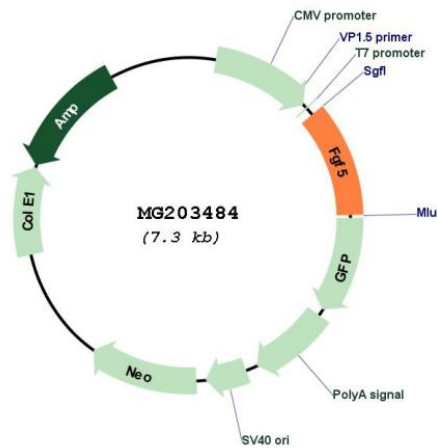
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_010203

ORF Size: 792 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:	<ol style="list-style-type: none">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_010203.5
RefSeq Size:	2504 bp
RefSeq ORF:	795 bp
Locus ID:	14176
UniProt ID:	P15656
Cytogenetics:	5 47.77 cM
Gene Summary:	This gene encodes a secreted protein that is a member of a family of heparin-binding growth factors. The encoded protein regulates cell proliferation, particularly the growth of hair follicles. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]