

Product datasheet for **MR203484**

Fgf5 (NM_010203) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Fgf5 (NM_010203) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Fgf5 |
| Synonyms: | angora; Fgf-5; Fgf3a; go; HBGF-5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR203484 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCCTGTCCTTGCTCTTCTCATCTTCTGCAGCCACCTGATCCACAGCGCTTGGCTCACGGGGAGA
AGCGTCTCACTCCCGAAGGGCAACCCGCGCTCCTAGGAACCCGGGAGACTCCAGCGGCAGCCGGGGCAG
AAGTAGCGCGACGTTTTCTTCGCTTCTGCCTCCTCACCAGTCGAGCTTCTCCGGGCAGCCAAGGAAGC
GGCTCGGAACATAGCAGTTTCCAGTGGAGCCCTTCGGGGCGCCGACCGGCAGCCTGTACTGCAGAGTGG
GCATCGGTTTTCCATCTGCAGATCTACCCGGATGGCAAAGTCAATGGCTCCACGAAGCCAGTGTGTTAAG
TATTTTGGAAATATTTGCTGTGTCTCAGGGATTGTAGGAATACGAGGAGTTTTACGAACAATTTTTTA
GCGATGTCAAAAAAGGAAAACCTCCATGCAAGTGCCAAATTTACGGATGACTGTAAGTTCAGGGAGAGAT
TCCAAGAAAACAGCTATAATACCTATGCGTCCGCGATCCACAGAAGTCAAAGACAGGCCGAGAGTGGTA
CGTGGCCCTGAACAAGAGAGGGAAAGCCAAGAGAGGCTGCAGCCACGGGTCAAACCCCAACACGCTCC
ACCCACTTCTACCCAGGTTCAAGCAGTCCGAGCAACCGGAATTTCTTCAACGTCAGTGTCCAGAAA
AGAAAAAGCCACCGGTGAAACCAAAGGTGCCCTGTGCGAGCCTCGCAGAAGTCCAGCCAGTGAAGTA
CAGACTGAAGTTTCGCTTTGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203484 protein sequence
Red=Cloning site Green=Tags(s)

MSLSLLFLIFCSHLIHSAWAHGEKRLTPEGQPAPPRNPGDSSGSRGRSSATFSSSSASSPVAASPGSQGS
 GSEHSSFQWSPSGRRTGSLYCRVIGIGFHLQIYPDGKVNGSHEASVLSILEIFAVSQGIVGIRGVFSNKFL
 AMSKKGKGLHASAKFTDDCKFRERFQENSYNTYASAIHRTEKTGREWYVALNKRKAKRGCSPRVKPQHVS
 THFLPRFKQSEQPELSFTVTVPKPKPPVKPKVPLSQPRRSPSPVKYRLKFRFG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_010203

ORF Size: 795 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_010203.5](#)

RefSeq Size: 2553 bp

RefSeq ORF: 795 bp

Locus ID: 14176

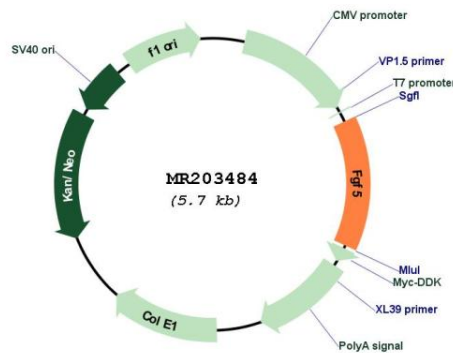
UniProt ID: [P15656](#)

Cytogenetics: 5 47.77 cM

MW: 29.1 kDa

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]

Product images:



Circular map for MR203484