

Product datasheet for MC225747

Fgf5 (NM_001277268) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf5 (NM_001277268) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fgf5
Synonyms: angora; Fgf-5; Fgf3a; go; HBGF-5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225747 representing NM_001277268
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCCTGTCTTGCTCTTCCTCATCTTCTGCAGCCACCTGATCCACAGCGCTTGGGCTCACGGGGAGA
 AGCGTCTCACTCCGAAGGGCAACCCGCGCCTCCTAGGAACCCGGGAGACTCCAGCGGCAGCCGGGGCAG
 AAGTAGCGGACGTTTTCTCGTCTTCTGCCTCCTCACCAGTCGCAGCTTCTCCGGGCAGCAAGGAAGC
 GGCTCGGAACATAGCAGTTTCCAGTGGAGCCCTTCGGGGCGCCGACCGGCAGCCTGTACTGCAGAGTGG
 GCATCGGTTTCCATCTGCAGATCTACCCGGATGGCAAAGTCAATGGCTCCACGAAGCCAGTGTGTTAAG
 CCAAATTTACGGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001277268

Insert Size: 366 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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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:	<u>NM_001277268.1, NP_001264197.1</u>
RefSeq Size:	2449 bp
RefSeq ORF:	366 bp
Locus ID:	14176
UniProt ID:	<u>P15656</u>
Cytogenetics:	5 47.77 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2, also known as FGF-5S) lacks an alternate exon in the coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>