

Product datasheet for MC217698

Fgf8 (NM_001166361) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Fgf8 (NM_001166361) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Fgf8
 Synonyms: Aigf; Fgf-8
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC217698 representing NM_001166361
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCAGCCCCGCTCCGCGCTGAGCTGCCTGCTGTTGCACTTGTGGTTCTCTGCCTCAAGCCCAGG
 AAGGCCGGGGCGGGGGCTGCGCTGGGCAGGGAGCCCACTTCCCTGCTCCGAGCTGGCCGGGAGCCCCA
 GGGTGTTCCTCAACAGGTAAGTGTTCAGTCCTCACCTAATTTTACACAGCATGTGAGGGAGCAGAGCCTG
 GTGACGGATCAGCTCAGCCGCGCCTCATCCGGACCTACCAGCTCTACAGCCGCACCAGCGGAAGCAGC
 TGCAGGTCTGGCCAACAAGCGCATCAACGCCATGGCAGAAGACGGAGACCCCTTCGCGAAGCTCATTGT
 GGAGACCGATACTTTTGAAGCAGAGTCCGAGTTCGCGGCGCAGAGACAGGTCTCTACATCTGCATGAAC
 AAGAAGGGGAAGCTAATTGCCAAGAGCAACGGCAAAGGCAAGGACTGCGTATTCACAGAGATCGTGCTGG
 AGAACAACTACACGGCGCTGCAGAACGCCAAGTACGAGGGCTGGTACATGGCCTTACCCGCAAGGGCCG
 GCCCGCAAGGGCTCCAAGACGCGCCAGCATCAGCGCGAGGTGCACTTCATGAAGCGCTGCCGCGGGCC
 CACCACACCAGCAGAGCCTGCGCTTCGAGTTCCTCAACTACCCGCCCTTACGCGCAGCCTGCGCG
 GCAGCCAGAGGACTTGGGCCCGGAGCCCCGATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001166361
 Insert Size: 735 bp



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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).
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_001166361.1</u> , <u>NP_001159833.1</u>
RefSeq Size:	1188 bp
RefSeq ORF:	735 bp
Locus ID:	14179
Cytogenetics:	19 38.75 cM
Gene Summary:	<p>Plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. Required for normal brain, eye, ear and limb development during embryogenesis. Required for normal development of the gonadotropin-releasing hormone (GnRH) neuronal system. Plays a role in neurite outgrowth in hippocampal cells (By similarity). Cooperates with Wnt-1 in mouse mammary tumor virus-induced murine mammary tumorigenesis (PubMed:7884899).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has an alternate internal 5' coding region, as compared to variant 1. The reading frame is not changed and the resulting isoform (2) is shorter and has a different segment in the N-terminal region, as compared to isoform 1.</p>