

Product datasheet for **MG201882**

Fgf7 (NM_008008) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf7 (NM_008008) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fgf7
Synonyms: Kgf
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201882 representing NM_008008
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGCAATGGATACTGACACGGATCCTGCCAATCTGCTCTACAGGTCATGCTCCACCTCGTCTGTC
 TAGTGGGCACTATATCTCTAGCTTGCAATGACATGAGTCCGGAGCAAACGGCTACGAGTGTGAAGTCTC
 CAGCCCCGAGCGACACACCAGAAGTTATGACTACATGGAAGGAGGGGATATAAGGGTGAAGACTGTTCC
 TGTCGCACCCAGTGGTACCTGAGGATTGACAAACGAGGCAAAGTAAAAGGGACCCAGGAGATGAAGAACA
 GCTACAACATCATGAAATCAGGACCGTGGCAGTTGGAATTGTGGCAATCAAAGGGTGGAAAGTGAATA
 CTATCTTGCCATGAACAAGGAAGGAACTCTATGCAAAGAAAGAATGCAATGAGGATTGCAACTTCAAA
 GAACTGATTCTGAAAACCAATTATAACACCTATGCATCAGCTAAATGGACACACAGCGGAGGGAAATGT
 TCGTTGCCTTAAATCAAAGGGGATTCCTGTCAAAGGGAAGAAAACGAAGAAAGAACAAAAACAGCCCA
 TTTTCTTCTATGGCAATAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201882 representing NM_008008
 Red=Cloning site Green=Tags(s)

MRKWILTRILPTLLYRSCFHLVCLVGTISLACNDMSPEQTATSVNCSSPERHTRSVDYMEGGDIRVRRFL
 CRTQWYLRIDKRGKVKGTQEMKNSYNIMEIRTVAVGIVAIGKVESEYYLAMNKEGKLYAKKECNEDCNFK
 ELILENHYNITYASAKWTHSGGEMFVALNQGIPVKGKTKKEQKTAHFLPMAIT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_008008

ORF Size: 582 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_008008.3](#), [NP_032034.1](#)

RefSeq Size: 1925 bp

RefSeq ORF: 585 bp

Locus ID: 14178

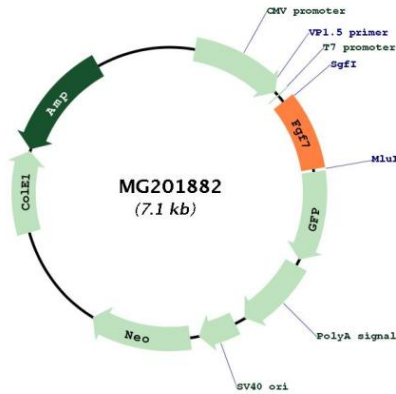
UniProt ID: [P36363](#)

Cytogenetics: 2 F1

Gene Summary:

Plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation. Required for normal branching morphogenesis. Growth factor active on keratinocytes. Possible major paracrine effector of normal epithelial cell proliferation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG201882