

Product datasheet for MR226327

Fgf4 (NM_010202) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf4 (NM_010202) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fgf4
Synonyms: Fgf-4; Fgfk; HBGF-4; hst; hst-1; Hst1; Hstf-1; kFGF; KS3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR226327 representing NM_010202
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGAAACGCGGGCCGACCACAGGGACGCTGCTGCCAGGGTCTGCTGGCCCTGGTGGTGGCCCTGG
 CCG[AT]CCGAGGGACCGCCGACCCAACGGCACGCGGCACGCAGAAATGGGGCACGGCTGGGACGGCTT
 GGTGGCCCGCTCGCTGGCAGCCTGCCGGTGGCCGCGCAGCCCCGAGGCGCGG[AT]CCGACGGCG
 GCAGGGGACTACCTGCTGGCCCTAAAAGGCTTCGGCGGCTCTACTGCAACGTGGGCATCGGATTCACC
 TGCAGGTGCTGCCGACGCGCCATCGGTGGTGTGCACGCAGACACGAGGGACAGTCTTCTGGAGCTCTC
 TCCGGTGCAGCGAGGCGTGGTGAGCATCTTCGGAGTGGCCAGCCGGTTCTTCGTGGCCATGAGCAGCAGG
 GGCAAGCTCTTCGGTGTGCCTTTCTTTACCGACGAGTGTAAATTCAAAGAAATACTTCTGCCCAACAACT
 ACAACGCCTACGAATCCTACGCGTACCCCGGTATGTTTCATGGCCCTCAGTAAGAACGGGCGGACCAAGAA
 GGGGAACCGAGTGTGCCTACCATGAAGGTAACCCACTTCCTTCTAGACTG

AC**CGGCCCGC**TCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226327 representing NM_010202
 Red=Cloning site Green=Tags(s)

MAKRGPTTGTLPRVLLALVVALAXXRGTAAPNGTRHAELGHGWDGLVARSLARLPVAAQPPQAAXXRSG
 AGDYLLGLKRLRRLYCNVIGIFHLQVLPDGRIGGVHADTRDLSLELSPVQRGVVSIFGVASRFFVAMSSR
 GKLVGVPFFTDECKFKEILLPNYAYESYAYPGMFMALSKNGRTRKKNRVSPTMKVTHFLPRL

TRPLEQKLISEEDLAANDILDYKDDDDKV

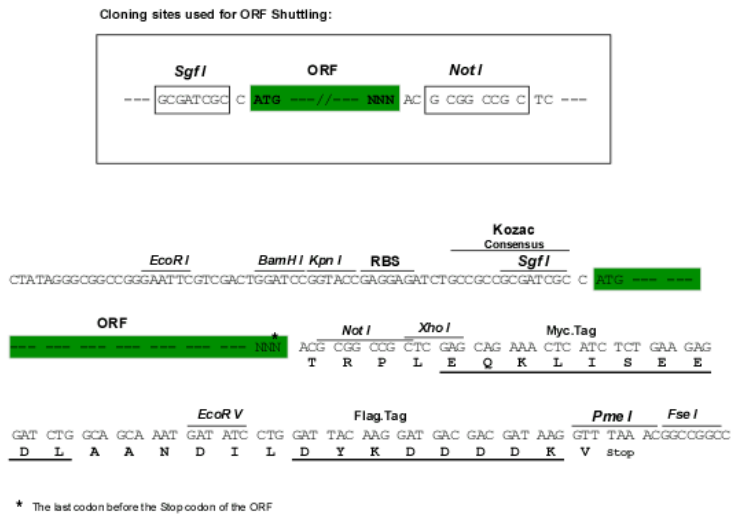


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Chromatograms: https://cdn.origene.com/chromatograms/mm9008_b09.zip

Restriction Sites: SgfI-NotI

Cloning Scheme:



ACCN: NM_010202

ORF Size: 612 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.

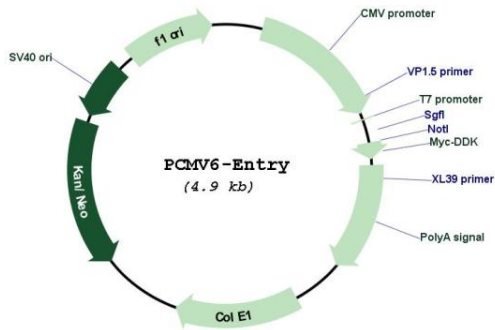
RefSeq: [NM_010202.1](#), [NM_010202.2](#), [NM_010202.3](#), [NM_010202.4](#), [NM_010202.5](#), [NM_010202.6](#), [NP_034332.2](#)

RefSeq Size: 3030 bp

RefSeq ORF: 609 bp

Locus ID: 14175
UniProt ID: [P11403](#)
Cytogenetics: 7 88.88 cM
MW: 22.4 kDa
Gene Summary: Plays an important role in the regulation of embryonic development, cell proliferation, and cell differentiation. Is essential for survival of the postimplantation mouse embryo. Required for normal limb and cardiac valve development during embryogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226327