

Product datasheet for **RR213778**

Fgf4 (NM_053809) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf4 (NM_053809) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fgf4
Synonyms: Hst; Hst1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR213778 representing NM_053809
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGAAGCGGGCCGACTACAGGGACGCTGCTGCCGGGTCTGCTGGCCCTGGTGGTGGCCCTGG
 CGGACCGAGGGACCGCCGACCCAACGGCACGCGGCACGCCGAATTGGGGCACGGCTGGGACGGCTGGT
 GGCCCGCTCGTGGCAGCTTGCCGGTGGCCGCGCAGCCCCGACGCGGGTCCGACGGGGCAGGG
 GACTACCTGCTGGCCTCAAAGGCTGCGGAGACTCTACTGCAACGTGGGCATCGGATCCACCTGCAGG
 TGCTGCCGACGCGCCGATCGGGGTGTGCCACGCGGACACGAGGGACAGCAGCGGGGTGTGGT
 GAGCATCTTCGGAGTGGCCAGCCGTTCTTCGTGGCCATGAGCAGCAGGGCAAGCTCTTCGGTGTGCTTTCTTT
 ACCGACGAGTGTAAATCAAAGAAATACTCTCCCAACAATAAATGCTACGAGTCTACGCATACC
 CGGGCATGTTTCATGGCCCTCAGTAAGAACGGGGGACCAAGAAGGGGAACCGAGTTTCGCCGACCATGAA
 GGTAAACCACTTCCTTCTAGACTG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213778 representing NM_053809
 Red=Cloning site Green=Tags(s)

MAKRGPTTGTLLPGVLLALVVALADRGTAAPNGTRHAELGHGWDGLVARSLARLPVAAQPPHAAVRSGAG
 DYLLGLKRLRRLYCNVIGFHLQVLPDGRIGGVPRGHEGQQRGVVSIIFGVASRFVAMSSRGKLFVGPFF
 TDECKFKEILLPNYNAYESYAYPGMFALSKNGRTKKGNRVSPMTMKVTHFLPRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053809

ORF Size: 585 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_053809.1](#), [NP_446261.1](#)

RefSeq Size: 588 bp

RefSeq ORF: 588 bp

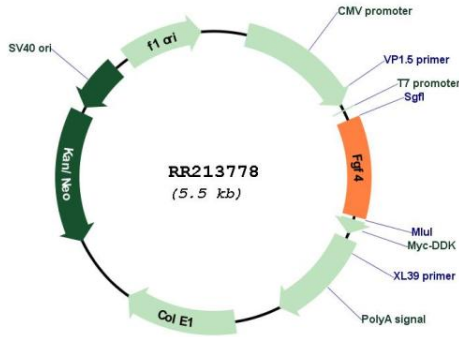
Locus ID: 116499

Cytogenetics: 1q42

MW: 21.1 kDa

Gene Summary: member of the fibroblast growth factor (FGF) family; implicated in activities including embryonic development, cell growth, morphogenesis, tissue growth, and tumor growth and invasion [RGD, Feb 2006]

Product images:



Circular map for RR213778