

Product datasheet for **RR212816**

Fgf20 (NM_023961) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf20 (NM_023961) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fgf20
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR212816 representing NM_023961
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCCTTGACCGAAGTCGGTGCCTTCTTGGCGGCCTGGAGGGCTTGGCCAGCAGGTGGGGTCGC
ACTTCTTGCTGCCTCCTGCAGGGGAGCGACCGCCGCTGCTAGGGGAGCGCGGGGCGCTTGGAGCGGG
CGCCCGCGGGCGGGCCGGTTCCGTGGAGCTGGCGCACCTGCACGGCATCCTGCGCCGCGGCAGCTCTAC
TGCCGCACCGGCTCCACCTGCAGATCCTGCCCGACGGCAGTGTGCAGGGCACCCGGCAGGATCACAGCC
TCTTCGGTATCCTGGAATTCATCAGTGTGGCGGTGGGGCTGGTGCAGTATCAGAGGTGTGGACAGCGGCCT
GTACCTTGGCATGAATGGCAAAGGAGAGCTTTATGGCTCAGAGAAATTGACTTCTGAATGCATCTTCAGG
GAACAATTTGAAGAGAACTGGTATAATACCTATTCATCCAACATATACAAACACGGAGACACAGGTCGCA
GGTATTTTGTAGCACTTAACAAAGACGGGACTCCAAGGGACGGTGCCAGGTCCAAAAGACACCAAAGTT
TACCCATTTTTTACCCAGACCAGTGGACCCAGAGAGAGTCCCAGAGTTATACAAAGACCTACTGGTGTAC
ACTGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212816 representing NM_023961
Red=Cloning site Green=Tags(s)

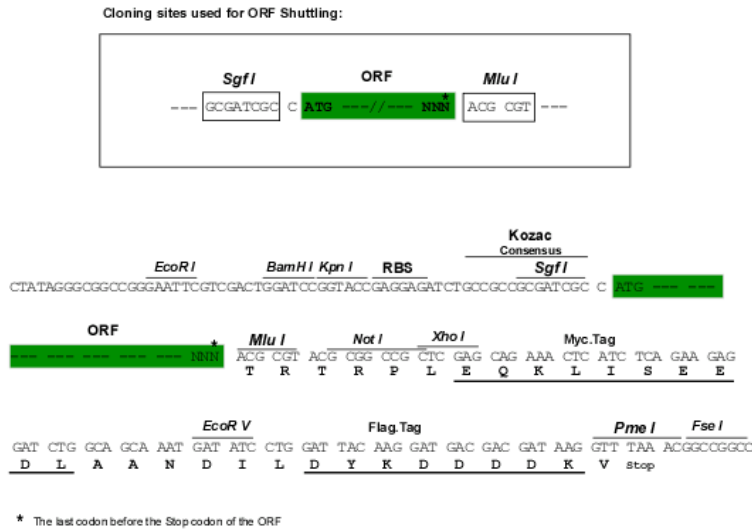
MAPLTEVGAFLGGLEGLGQQVGSFLLPPAGERPPLLGERGALERGARGGPGSVELAHLHGILRRRQLY
CRTGFHLQILPDGSVQTRQDHSLEFGILEFISVAVGLVIRGVDSGLYLGMMNGKELYGSEKLTSECFR
EQFEENWYNTYSSNIYKHGDTGRRYFVALNKDGTPRDGARSKRHQKFTFLPRPVDPERVPELYKDLLVY
TG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023961

ORF Size: 636 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_023961.1](#), [NP_076451.1](#)

RefSeq Size: 639 bp

RefSeq ORF: 639 bp

Locus ID: 66017

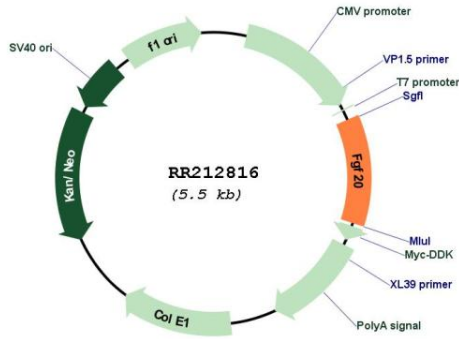
UniProt ID: [Q9EST9](#)

Cytogenetics: 16q12.1

MW: 23.5 kDa

Gene Summary: promotes the survival of midbrain dopaminergic neurons [RGD, Feb 2006]

Product images:



Circular map for RR212816