

Product datasheet for MR203061

Fgfbp3 (NM_028263) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgfbp3 (NM_028263) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fgfbp3
Synonyms:	2610306H15Rik; Fgf-bp3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203061 representing NM_028263 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCCTCCGAGGCCGCGGGCGTCTCCCCGTGACGCTGCTGTTGCTGCTGGGAGGCTGCCTCC
TCTCGGCTGCCGGGAGGGACAAGGGGGCAGCAGGCAGGAAGTGACCCGGGCCTCCCGACCCACGGTCGG
CTCCTCCGGTCGCTTCGTGAGTCCAGAGCAGCACGCGTGCAGCTGGCAGCTTTGGTACCCGCCCGGG
ACGCCGACTGGCGGAGAGCTGGCCTTGCCTGCCAGACCCGGGGGGGGGAGTCTGCATTGCGCCTACC
GCGGGCATCCGGAGCGCTGCGCGGCCACCGCGCCCGGGCGCGCACTACTGGAGACGGTCTGGGCGC
GCTGCGCAGGAGACCACGGCCCTGCCTGGACCCCGCGCCGCTGCCGCCACGCCTGTGCGCCCGCAAGACG
GCTGGCTCAGACCTGCACTCGCCCGCTACCCAGCCTACCCGCGCGTCCAGCGAGCCGCCCGGTCCA
GGGCGCGGAGCCCGGCTCGGTGCGGACAGTCGGTGCAGTCCCAAGCTCCAGCCGAAAAGAAGCCCTT
GCTAGTGAAGTCCAACCTCGGGCGGAGGAAAGCGGGCTCAGACCCAGTTCGGGAGCCTCTGCGCGGCC
GGATTCCAACCAATGGGCTGGACAGAATGCCGAGCTCACTGAGACCTACTGCACCGAGAAGTGGCATT
CCCTTTGCAACTCTTTGTCAACTTCTGGAATGGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203061 representing NM_028263
Red=Cloning site Green=Tags(s)

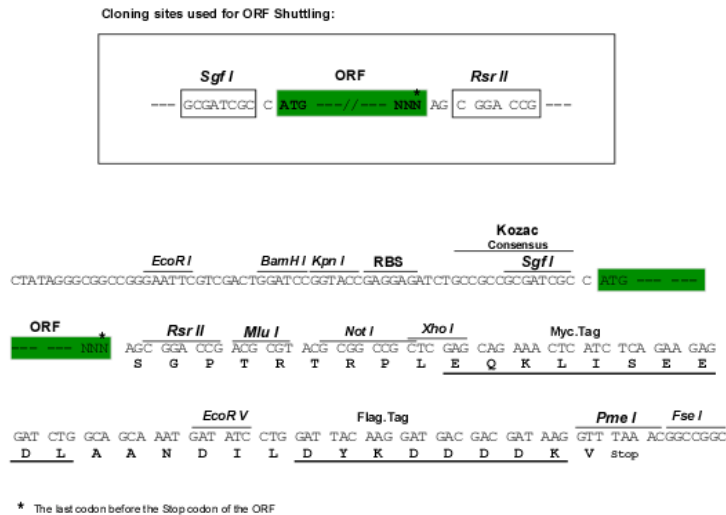
MSPRRPRASLSPLLLLLGGCLLSAAGRDKGAAGREVTRASRPTVGSSGRFVSPEQHACSWQLLVPAPG
 TPTGGELALRCQTPGGASLHCAYRGHPERCAATGARRAHYWRLLGALRRRPRCLDPAPLPRLCARKT
 AGSDLHSPAHPSPARPSEPPRSRARSARSRSQSVRSPSSQPEKKPLLKSNSSGGRKAGSDPVPEPPAAA
 GFQPNGLDQNAELTETYCTEKWHSLCNFFVNFVWG

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9005_d08.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_028263

ORF Size: 735 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 Size: 1775 bp

RefSeq ORF: 753 bp

Locus ID: 72514

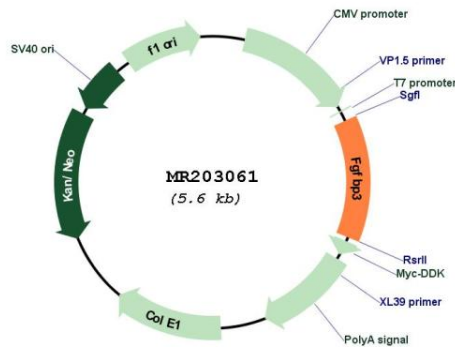
UniProt ID: [Q1HCM0](#)

Cytogenetics: 19 C2

MW: 27.1 kDa

Gene Summary: Heparin-binding protein which binds to FGF2, prevents binding of FGF2 to heparin and probably inhibits immobilization of FGF2 on extracellular matrix glycosaminoglycans, allowing its release and subsequent activation of FGFR signaling which leads to increased vascular permeability.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203061