

Product datasheet for **MG203061**

Fgfbp3 (NM_028263) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgfbp3 (NM_028263) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fgfbp3
Synonyms: 2610306H15Rik; Fgf-bp3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203061 representing NM_028263
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCCTCCGAGGCCGCGGGCGTCTCCCCGCTGACGCTGCTGTTGCTGCTGGGAGGCTGCCTCC
TCTCGGCTGCCGGGAGGGACAAGGGGGCAGCAGGCAGGAAGTGACCCGGGCTCCCGACCCACGGTCGG
CTCCTCCGGTCGTTTCGTGAGTCCAGAGCAGCACGCGTGCAGCTGGCAGCTTTGGTACCCGCCCGGG
ACGCCGACTGGCGGAGAGCTGGCCTTGCCTGCCAGACCCGGGGGGGGGAGTCTGCATTGCGCCTACC
GCGGGCATCCGGAGCGCTGCGCGGCCACCGCGCCCGGGCGCGCACTACTGGAGACGGTCTGGGCGC
GCTGCGCAGGAGACCACGGCCCTGCCTGGACCCCGCGCCGCTGCCGCCACGCCTGTGCGCCCGAAGACG
GCTGGCTCAGACCTGCACTCGCCCGCTACCCAGCCTACCCGCGCGTCCAGCGAGCCGCCCGGTCCA
GGGCGCGGAGCCCGGCTCGGTGCGGACAGTTCGGTTCGGTCCCAAGCTCCAGCCGAAAAGAAGCCCTT
GCTAGTGAAGTCCAACCTCGGGCGGGAGGAAAGCGGGCTCAGACCCAGTTCGGGAGCCTCTCGCGCGCC
GGATTCCAACCAATGGGCTGGACCAGAAATGCCGAGCTCACTGAGACCTACTGCACCGAGAAGTGGCATT
CCCTTTGCAACTCTTTGTCAACTTCTGGAATGGC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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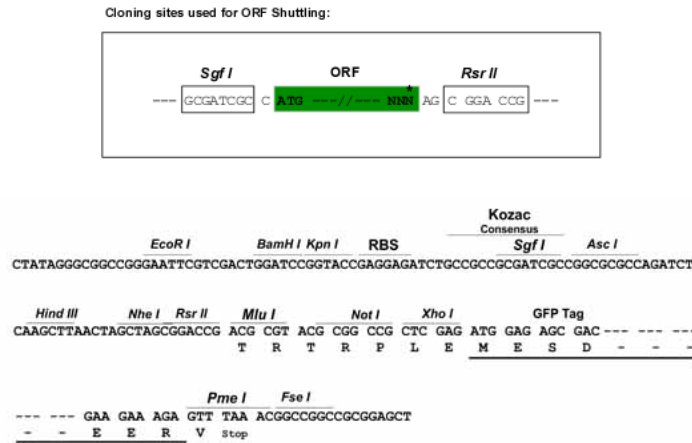
Protein Sequence: >MG203061 representing NM_028263
 Red=Cloning site Green=Tags(s)

MSPRRPRASLSPLTLLLLLGGCLLSAAGRDKGAAGREVTRASRPTVGSSGRFVSPEQHACSWQLLVPAPG
 TPTGGELALRCQTPGGASLHCAYRGHPERCAATGARRAHYWRLLGALRRRPRCLDPAPLPPRLCARKT
 AGSDLHSPAHPSPARPSEPSPRRSPARSRSQSVRSPSSQPEKKPLLKSNSSGGRKAGSDPVPEPPAAA
 GFQPNGLDQNAELTETYCTEKWHSLCNFFVNFVWNG

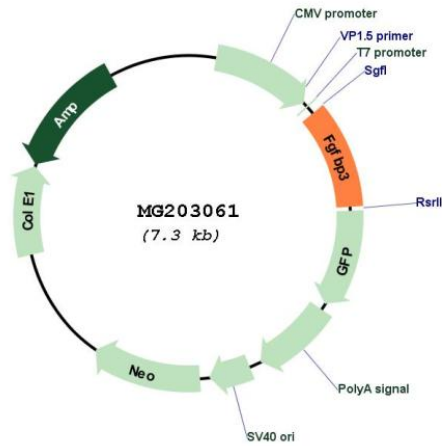
SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_028263

ORF Size: 750 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:	<ol style="list-style-type: none">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_028263.1 , NP_082539.2
RefSeq Size:	1775 bp
RefSeq ORF:	753 bp
Locus ID:	72514
UniProt ID:	Q1HCM0
Cytogenetics:	19 C2
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]