

Product datasheet for **MG206257**

Fgfr1op (BC080717) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgfr1op (BC080717) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fgfr1op
Synonyms:	4930553O10Rik; FOP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206257 representing BC080717 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGACTACCGCCGCGTGGTGGCCGAGGAAGACACGGAGCTGCGCGACCTGCTGGTGCAGACGC
TGGAGAACAGCGGCTGCTGAACCGCATCAAGGCTGAACCTCAGAGCGGCTGTGTTTTAGCACTAGAAGA
ACAAGAAAAAGTAGAGAACAACTCCATTGGTCAATGAGAACTGAAAAAGTTTTAAACACAAAAGAT
GGTCGTTTAGTGGCTAGTCTCGTCGAGAATTTCTTCAGTTTTTAATCTTGACTCACCTTGGCTGTTT
TCCATCCTGAACTAGCACAATCAAGGCTTGAAGGTCGAGAGAACTTGCCCCAGGATTTAGGCATCAT
TGAAGCAGAAGGTAAGTGTGGGTGGACCTTATTATTAGAAGTGATTAGACGCTGTCAACGAAAGAAAA
GGACCGGCCAGTGTGGAAGGTGCACTGGATCTATCCGATGGACATCCTCCATCAAAGTCACCTGAAGGAA
AATCAAGTGCAAACTCCACCCCAAGTAAGATACCAAGGTATAAAGGACAAGGTAAGAAGAAGACAATCGG
TCAGAAGCCTGGTGACAAGAAGACTAGCAGTGAGACCAGTCAGAGTGAGCCAAGTGTCTCCTTGTGAGAG
TCCAAGAGTAAAAGCAGCCTGCACTCACTGGCCCATGAGACAAGAATTGCATCTTTCTTAAGCAGCAGCG
CTGTAGATGCCAGAGACAGCAGTGCCCTTTGTCCAGATGGGATGATGTGGAAGGAGATTCTTTCTTTGA
TGATCCCATTCTAAACCAGAAAAACCTATGGTTGGAGAGCTGAACCTCGGAAGCAAGTGGGAGGTCG
GCCTCACTGTCTGACAAGCCCCACTTAAGGAGCGGTCTCAGCTCCCTGGCCGGAGCCCATCGCTAACAG
ATCCAGAGAGTAAAAGGGGAAGCACCGTCTGAAGGATCTGAAATTGGTTGGTGAGAAGATTGGATCACT
TGGGCTAGGCACTGGAGAAGATGAGGACTATGCTGATGATTTAATAGTCTAGCCATCGCTCAGAAAAA
AGTGAGCTAAGTATTGGTGAAGAGATTGAAGAAGACCTTTCCATGGGAGTAGAGGACGGGAACACCAAGT
ATAAACTCGATGACCTCACACAAGACCTGACTGTTCCAGCTCAGTGATGTTGCTGACTATCTGGAAGA
TGTTGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206257 representing BC080717
 Red=Cloning site Green=Tags(s)

MAATTAAVVAEEDTELRDLLVQTLNSGVLNRIKAELRAAVFLALEEQEKVENKTPLVNENLKKFLNTKD
 GRLVASLVAEFLQFFNLDFTLAVFHPETSTIQGLEGRENLAQDLGIEAEGTVGGPLLLVIRRCQQKEK
 GPASVEGALDLDSDGHPPSKSPEGKSSANSTPSKIPRYKQGQKKKTIQKPGDKKTSSETSQSEPSVSLSE
 SKSKSSLHSLAHETRIASFLLSSAVDARDSSALCPDGDVVEGDSFFDDPIPKPEKTYGWRAEPRKQVGG
 ASLSDKPHLRSSLAGAPSLTDPESKRGSTVLKDLKLVGEKIGSLGLGTGEDEDYADDFNSASHRSEK
 SELSIGEEIEEDLSMGVEDGNTSDKLDDLTDLTVSQLSDVADYLEDVA

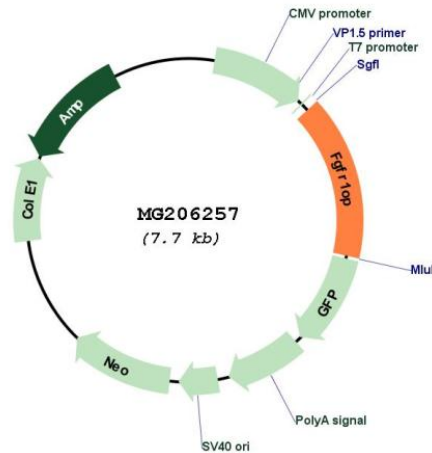
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC080717

ORF Size:	1199 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:	BC080717 , AAH80717
RefSeq Size:	3489 bp
RefSeq ORF:	1199 bp
Locus ID:	75296
Cytogenetics:	17 A1
Gene Summary:	Required for anchoring microtubules to the centrosomes. Required for ciliation. [UniProtKB/Swiss-Prot Function]