

Product datasheet for **RN200453**

Fgfr2 (NM_001109892) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgfr2 (NM_001109892) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fgfr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200453 representing NM_001109892
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGATTACCGTCCACATGGAGATATGGAACAGGACCAGGGATTGGCACCGTGACCATGGTCAGCTGGG
 GCGCTTCATCTGCCTGGTCTTGGTCACCATGGCAACCTTGCCCTGGCCCGCCCTCCTTCAGTTTAGT
 TGAAGATAACACTTTAGAACAGAGCCACCAACAAATACAAATCTCCCAACCAGAAGCGTGCGTG
 GTTGCCCCGGGAGTCGCTAGAGTTGCGCTGCATGTTGAAAGATGCCGCGGTGATCAGTTGGACTAAGG
 ATGGGGTGCACCTTGGGGCCCAACATAGGACAGTGCTTATTGGGGAGTACCTCCAGATAAAAGGTGCCAC
 ACCTAGAGACTCCGGCTCTATGCTTGTGCTGCAGCTAGGACGGTAGACAGTGAAACTTTGTACTTCATG
 GTGAATGTCACAGATGCCATCTCATCTGGAGATGACGAGGACGACACAGATAGCTCCGAAGACTTTGTCA
 GTGAGAACAGGAGCAACCAGAGAGCACCGTACTGGACCAACCCGAAAAGATGGAGAAGCGGCTCCATGC
 TGTCCCTGCCCAACACTGTGAAGTCCGCTGTCCAGCCGGGGGAATCCAACCCACAATGAGGTGG
 CTAACAAAACGGGAAGGAGTTAAGCAGGAGCATCGCATCGGAGGCTATAAGGTACGAAACCAGCACTGGA
 GCCTTATTATGGAAGTGTGGTCCCATCAGACAAGGCAATTACACCTGCCTGGTGGAGAATGAATACGG
 GTCCATCAACCACACTACCACCTTGATGTTGTTGAGCGATCACCACACCGGCCCATCCTCCAAGCTGGA
 CTGCCTGCAAAATGCCTCCACGGTGGTCGGAGGGGACGTAGAATTTGTCTGCAAGTTTATAGTGATGCC
 AGCCCCATATCCAGTGGATCAACATGTGGAAGAAGCGCAGTAAATATGGACCTGATGGGCTGCCCTA
 CCTCAAGTCTGAAGGCCCGCGGTGTTAACACCACGGACAAAGAAATGAGGTTCTCTATATTCGGAAT
 GTAACTTTGGAGATCTGGGGAATACGTGCTTGGCGGTAACTCTATCGGGATACCTTTCACTCTG
 CATGGTTGACAGTTCTGCCAGCACCTGTGAGAGAGAAGGAGATCACAGTTCCTCCAGATACCTCTGGAGAT
 AGCTATTTACTGCATAGGGGCTTCTTAATCGCCTGCATGGTGGTGACAGTCATCTTTGCCGAATGAAG
 ACCACGACCAAGAAGCCAGACTTCAGCAGCCAGCCAGCTGTGCACAAGCTGACCAAGCGCATCCCCCTGC
 GGAGACAGGTAACAGTTTCGGCCGAGTCCAGCTCGTCCATGAACTCCAACACCCCACTGGTGGAGATAAC
 GACACGCTGTCTCAACGGCGGACACCCCGATGCTAGCAGGGTCTCTGAGTACGAGTTGCCAGAGGAT
 CCAAAGTGGGAATCCCCAGAGATAAGCTGACGCTGGGCAAAACCCTGGGGGAAGGCTGCTTCGGGCAAG
 TAGTCATGGCTGAAGCGGTGGGAATCGATAAGGACAGACCAAGGAGGCAGTACCCTGGCGGTGAAGAT
 GTTGAAAGATGACGCCACAGAGAAGGACCTGTCTGACCTGGTGTGACAGATGGAGATGATGAAGATGATT
 GGTAACATAAGAACATCATCAACCTCCTGGGGCCTGCACCCAGGATGGACCCCTCTATGTCATAGTCG
 AATACGCATCGAAAGGCAACCTCCGGGAATACCTCCGGGCCCGGAGGCCACCTGGCATGGAGTACTCCTA
 TGACATTAACCGAGTTCCCGAGGAGCAGATGACCTTCAAGGACTTGGTGTCTGCACCTACCAGCTGGCG
 AGAGGCATGGAGTACTTGGCTTCCAAAAATGTATCCATCGAGACTTGGCAGCCAGAAATGTGCTGGTAA
 CAGAAAACAACGTGATGAAGATAGCAGACTTTGGCCTGGCCAGGGATATCAACAACATAGACTATTACAA
 AAAGACCACGAATGGGCGACTCCAGTCAAGTGGATGGCTCCTGAAGCCCTTTTGTAGAGTTTACACT
 CATCAGAGTGTGCTGGTCTTCGGGTGTTAATGTGGGAGATCTTCACTTTAGGGGTTCAACCCTACC
 CAGGGATTCCCGTGGAGGAACTTTTAACTGCTCAAAGAGGGCCACAGGATGGACAAGCCCACTGTTAAG
 CAGTTGGTGAAGACTTGGATCGAATTCTGACTCTCACAACCAATGAGGAATACTTGGACCTCACCCAGC
 CTCTCGAACAGTATTCTCTAGTTACCCGACACAAGGAGCTCTTGTCTTCAGGGGACGATTCTGTGTT
 TTCTCCAGACCCCATGCCTTATGACCCCTGCCTGCCTCAGTATCCACACATAAACGGCAGTGTAAAAACA
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1414_c06.zip
Restriction Sites: SgfI-MluI
ACCN: NM_001109892

Insert Size:	2523 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001109892.1</u> , <u>NP_001103362.1</u>
RefSeq Size:	4651 bp
RefSeq ORF:	2523 bp
Locus ID:	25022
Cytogenetics:	1q37
Gene Summary:	may play a role in mesodermal cell differentiation [RGD, Feb 2006] Transcript Variant: This variant (b) lacks an alternate internal exon and contains an alternate internal exon compared to variant a. The resulting isoform (b) has the same N- and C-termini but differs in an internal segment compared to isoform a.