

Product datasheet for **RN200455**

Fgfr2 (NM_001109894) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgfr2 (NM_001109894) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fgfr2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200455 representing NM_001109894
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGATTACCGTCCACATGGAGATATGGAACAGGACCAGGGATTGGCACCGTGACCATGGTCAGCTGGG
 GCGCTTCATCTGCCTGGTCTTGGTCACCATGGCAACCTTGTCCCTGGCCCGGCCCTCCTTCAGTTTAGT
 TGAAGATACCACTTTAGAACAGAGATGCCATCTCATCTGGAGATGACGAGGACGACACAGATAGCTCC
 GAAGACTTTGTCAGTGAGAACAGGAGCAACCAGAGAGCACCGTACTGGACCAACACCGAAAAGATGGAGA
 AGCGGCTCCATGCTGTCCCTGCCCAACACTGTGAAGTCCCGTGTCCAGCCGGGGGGAATCCAACACC
 CACAATGAGGTGGCTAAAAACGGGAAGGAGTTTAAGCAGGAGCATCGCATCGGAGGCTATAAGGTACGA
 AACAGCACTGGAGCCTTATTATGGAAAGTGTGGTCCCATCAGACAAAGGCAATTACACCTGCCTGGTGG
 AGAATGAATACGGGTCCATCAACCACACCTACCACCTTGATGTTGTTGAGCGATCACCACACCGGCCAT
 CCTCAAGCTGGACTGCCTGCAATGCCTCCACGGTGGTCCGAGGGGACGTAGAATTTGCTGCAAGGTT
 TATAGTGATGCCAGCCCATATCCAGTGGATCAACATGTGAAAAGAACGGCAGTAAATATGGACCTG
 ATGGGCTGCCCTACCTCAAGTCTGAAGGCCCGCGGTGTTAACACCACGGACAAAGAAATTGAGTTCT
 CTATATTCGGAATGTAACCTTTGAGGATGCTGGGAATATACGTGCTTGGCGGTAATTCTATCGGGATA
 TCCTTTCACTCTGCATGGTTGACAGTCTGCCAGCACCTGTGAGAGAGAAGGAGATCACAGCTTCCCCAG
 ATTACCTGGAGATAGCTATTTACTGCATAGGGGTCTTCTTAATCGCTGCATGGTGGTGACAGTCATCTT
 TTGCCGAATGAAGACCACGACCAAGAAGCCAGACTTCAGCAGCCAGCCAGCTGTGCACAAGCTGACCAAG
 CGCATCCCCCTGCGGAGACAGGTAACAGTTTCGGCCGAGTCCAGCTCGTCCATGAACTCCAACACCCAC
 TGGTGAGGATAACGACACGTCTGTCTCAACGGCGGACACCCCGATGCTAGCAGGGGTCTCTGAGTACGA
 GTTGCCAGAGGATCCAAAGTGGGAATTCGCCAGAGATAAGCTGACGCTGGGCAAACCCCTGGGGGAAGGC
 TGCTTCGGCAAGTAGTCATGGCTGAAGCGGTGGGAATCGATAAAGGACAGACCCAAGGAGGCAGTACCG
 TGGCGGTGAAGATGTTGAAAGATGACGCCACAGAGAAGGACCTGTCTGACCTGGTGTGAGAGATGGAGAT
 GATGAAGATGATTGGTAAACATAAGAACATCATCAACCTCCTGGGGCCTGCACCCAGGATGGACCCCTC
 TATGTCATAGTCGAATACGCATCGAAAGGCAACCTCCGGGAATACCTCCGGGCCCGGAGGCCACCTGGCA
 TGGAGTACTCCTATGACATTAACCGAGTCCCGAGGAGCAGATGACCTTCAAGGACTTGGTGTCTGCAC
 CTACCAGCTGGCAGAGGCATGGAGTACTTGGCTTCCAAAAATGTATCCATCGAGACTTGGCAGCCAGA
 AATGTGCTGGTAACAGAAAACAACGTGATGAAGATAGCAGACTTTGGCCTGGCCAGGGATATCAACAACA
 TAGACTATTACAAAAGACCACGAATGGGCGACTTCCAGTCAAGTGGATGGCTCCTGAAGCCCTTTTGA
 TAGAGTTTAACTCATCAGAGTGTCTGGTCTTCCGGGTGTTAATGTGGGAGATCTTCACTTTAGGG
 GTTTACCCCTACCCAGGGATTCCCGTGGAGGAACCTTTTAAAGCTGCTCAAAGAGGGCCACAGGATGGACA
 AGCCCACTGCACCAATGAAGTGTACATGATGATGAGGGACTGCTGGCATGCTGTACCTCACAGAG
 GCCCAGTTTAAAGCAGTTGGTGGAGACTTGGATCGAATTCTGACTCTCACAAACCAATGAGGAATACTTG
 GACCTCACCCAGCCTCTCGAACAGTATTCTCTAGTTACCCCGACACAAGGAGCTTTGTTCTTCAGGGG
 ACGATTCTGTGTTTTCTCCAGACCCCATGCCTTATGACCCCTGCCTGCCTCAGTATCCACACATAAACGG
 CAGTGTTAAAACATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001109894

Insert Size: 2256 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_001109894.1, NP_001103364.1</u>
RefSeq Size:	4384 bp
RefSeq ORF:	2256 bp
Locus ID:	25022
Cytogenetics:	1q37
Gene Summary:	may play a role in mesodermal cell differentiation [RGD, Feb 2006] Transcript Variant: This variant (d) lacks an alternate in-frame exon, lacks an alternate internal exon, and contains an alternate internal exon compared to variant a. The resulting isoform (d) has the same N- and C-termini but lacks an internal segment and differs in an internal segment compared to isoform a.