

Product datasheet for **RN200457**

Fgfr2 (NM_001109896) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgfr2 (NM_001109896) 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: >RN200457 representing NM_001109896
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGATTACCGTCCACATGGAGATATGGAACAGGACCAGGGATTGGCACCGTGACCATGGTCAGCTGGG
 GGCCTTCATCTGCCTGGTCTTGGTCACCATGGCAACCTTGCCCTGGCCCGGCCCTCCTTCAGTTTAGT
 TGAAGATACCACTTTAGAACAGAGGAGCACCCTACTGGACCAACACCGAAAAGATGGAGAAGCGGCTC
 CATGCTGTCCCTGCCCAACACTGTGAAGTCCGCTGTCCAGCCGGGGGAATCCAACACCCACAATGA
 GGTGGCTAAAAACGGGAAGGAGTTTAAGCAGGAGCATCGCATCGGAGGCTATAAGGTACGAAACCAGCA
 CTGGAGCCTTATTATGAAAAGTGTGGTCCCATCAGACAAAGGCAATTACACCTGCCTGGTGGAGAATGAA
 TACGGGTCCATCAACCACACCTACCACCTTGATGTTGTTGAGCGATCACACACCGGCCCATCTCCAAG
 CTGGACTGCCTGCAAATGCCTCCACGGTGGTGGAGGGGACGTAGAATTTGTCTGCAAGGTTTATAGTGA
 TGCCACGCCCCATATCCAGTGGATCAAACATGTGAAAAGAACGGCAGTAAATATGGACCTGATGGGCTG
 CCCTACCTCAAGTCTGAAGGCCGCGGTGTTAACACCACGGACAAAGAAATGAGGTTCTCTATATTC
 GGAATGTAACTTTTGAGGATGCTGGGAATATACGTGCTTGGCGGTAATTCTATCGGGATATCCTTTCA
 CTCTGCATGGTTGACAGTTCTGCCAGCACCTGTGAGAGAGAAGGAGATCACAGCTTCCCCAGATTACCTG
 GAGATAGCTATTTACTGCATAGGGGTCTTCTTAATCGCCTGCATGGTGGTGACAGTCATCTTTTGCCGAA
 TGAAGACCACGACCAAGAAGCCAGACTTCAGCAGCCAGCCAGCTGTGCACAAGCTGACCAAGCGCATCCC
 CCTGGGAGACAGGTAACAGTTTCGGCCGAGTCCAGCTCGTCCATGAACTCCAACACCCCACTGGTGAGG
 ATAACGACACGTCTGTCTCAACGGCGGACCCCGATGCTAGCAGGGTCTCTGAGTACGAGTTGCCAG
 AGGATCCAAAGTGGGAATCCCCAGAGATAAGCTGACGCTGGGCAAACCCCTGGGGGAAGCTGCTTCGG
 GCAAGTAGTCATGGCTGAAGCGGTGGGAATCGATAAGGACAGACCAAGGAGGCAGTACCCTGGCGGTG
 AAGATGTTGAAAGATGACGCCACAGAGAAGGACCTGTCTGACCTGGTGTGAGAGATGGAGATGATGAAGA
 TGATTGGTAAACATAAGAACATCATCAACCTCCTGGGGCCTGCACCCAGGATGGACCCCTCTATGTCAT
 AGTCGAATACGCATCGAAAGGCAACCTCCGGGAATACCTCCGGGCCCGGAGGCCACCTGGCATGGAGTAC
 TCCTATGACATTAACCGAGTTCCCGAGGAGCAGATGACCTTCAAGGACTTGGTGTCTGCACCTACCAGC
 TGGCGAGAGGCATGGAGTACTTGGCTTCCCAAAAATGTATCCATCGAGACTTGGCAGCCAGAAATGTGCT
 GGTAACAGAAAACAACGTGATGAAGATAGCAGACTTTGGCCTGGCAGGGATATCAACAACATAGACTAT
 TACAAAAGACCAGCAATGGGCGACTTCCAGTCAAGTGGATGGCTCCTGAAGCCCTTTTGTAGAGTTT
 AACTCATCAGAGTGATGTCTGGTCTTCGGGGTGTAAATGTGGGAGATCTTCACTTTAGGGGGTTACC
 CTACCCAGGGATTCCCCTGGAGGAATTTTTAAGCTGCTCAAAGAGGGCCACAGGATGGACAAGCCACC
 AACTGCACCAATGAAGTGTACATGATGATGAGGGACTGCTGGCATGCTGTACCCTCACAGAGGCCACGT
 TTAAGCAGTTGGTGAAGACTTGGATCGAATCTGACTCTCACAACCAATGAGGAATACTTGGACCTCAC
 CCAGCCTCTCGAACAGTATTCTCTAGTTACCCCGACACAAGGAGCTCTTGTCTTCAGGGGACGATTCT
 GTGTTTTCTCCAGACCCCATGCCTATGACCCCTGCCTGCCTCAGTATCCACACATAAACGGCAGTGTTA
 AAACATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001109896

Insert Size: 2178 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_001109896.1, NP_001103366.1</u>
RefSeq Size:	4306 bp
RefSeq ORF:	2178 bp
Locus ID:	25022
Cytogenetics:	1q37
Gene Summary:	may play a role in mesodermal cell differentiation [RGD, Feb 2006] Transcript Variant: This variant (f) lacks two alternate in-frame exons, lacks an alternate internal exon, and contains an alternate internal exon compared to variant a. The resulting isoform (f) has the same N- and C-termini but lacks an internal segment and differs in an internal segment compared to isoform a.