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Product datasheet for RN200454

Fgfr2 (NM_001109893) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgfr2 (NM_001109893) 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:

>RN200454 representing NM_001109893
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGATTACCGTCCACATGGAGATATGGAACAGGACCAGGGATTGGCACCGTGACCATGGTCAGCTGGG
GGCGCTTCATCTGCCTGGTCTTGGTCACCATGGCAACCTTGTCCCTGGCCCGGCCCTCCTTCAGTTTAGT
TGAAGATACCACTTTAGAACCAGAAGATGCCATCTCATCTGGAGATGACGAGGACGACACAGATAGCTCC
GAAGACTTTGTCAGTGAGAACAGGAGCAACCAGAGAGCACCGTACTGGACCAACACCGAAAAGATGGAGA
AGCGGCTCCATGCTGTCCCTGCCGCCAACACTGTGAAGTTCCGCTGTCCAGCCGGGGGGAATCCAACACC
CACAATGAGGTGGCTAAAAAACGGGAAGGAGTTTAAGCAGGAGCATCGCATCGGAGGCTATAAGGTACGA
AACCAGCACTGGAGCCTTATTATGGAAAGTGTGGTCCCATCAGACAAAGGCAATTACACCTGCCTGGTGG
AGAATGAATACGGGTCCATCAACCACACCTACCACCTTGATGTTGTTGAGCGATCACCACACCGGCCCAT
CCTCCAAGCTGGACTGCCTGCAAATGCCTCCACGGTGGTCGGAGGGGACGTAGAATTTGTCTGCAAGGTT
TATAGTGATGCCCAGCCCCATATCCAGTGGATCAAACATGTGGAAAAGAACGGCAGTAAATATGGACCTG
ATGGGCTGCCCTACCTCAAGGTCCTGAAGCACTCGGGGATAAATAGCTCCAATGCAGAAGTGCTGGCTCT
GTTCAATGTGACGGAGATGGATGCTGGGGAATATATATGTAAGGTCTCCAATTATATAGGGCAGGCCAAC
CAGTCTGCCTGGCTCACTGTCCTGCCCAAACAGCAAGCACCTGTGAGAGAGAAGGAGATCACAGCTTCCC
CAGATTACCTGGAGATAGCTATTTACTGCATAGGGGTCTTCTTAATCGCCTGCATGGTGGTGACAGTCAT
CTTTTGCCGAATGAAGACCACGACCAAGAAGCCAGACTTCAGCAGCCAGCCAGCTGTGCACAAGCTGACC
AAGCGCATCCCCCTGCGGAGACAGGTAACAGTTTCGGCCGAGTCCAGCTCGTCCATGAACTCCAACACCC
CACTGGTGAGGATAACGACACGTCTGTCCTCAACGGCGGACACCCCGATGCTAGCAGGGGTCTCTGAGTA
CGAGTTGCCAGAGGATCCAAAGTGGGAATTCCCCAGAGATAAGCTGACGCTGGGCAAACCCCTGGGGGAA
GGCTGCTTCGGGCAAGTAGTCATGGCTGAAGCGGTGGGAATCGATAAGGACAGACCCAAGGAGGCAGTCA
CCGTGGCGGTGAAGATGTTGAAAGATGACGCCACAGAGAAGGACCTGTCTGACCTGGTGTCAGAGATGGA
GATGATGAAGATGATTGGTAAACATAAGAACATCATCAACCTCCTGGGGGCCTGCACCCAGGATGGACCC
CTCTATGTCATAGTCGAATACGCATCGAAAGGCAACCTCCGGGAATACCTCCGGGCCCGGAGGCCACCTG
GCATGGAGTACTCCTATGACATTAACCGAGTTCCCGAGGAGCAGATGACCTTCAAGGACTTGGTGTCCTG
CACCTACCAGCTGGCGAGAGGCATGGAGTACTTGGCTTCCCAAAAATGTATCCATCGAGACTTGGCAGCC
AGAAATGTGCTGGTAACAGAAAACAACGTGATGAAGATAGCAGACTTTGGCCTGGCCAGGGATATCAACA
ACATAGACTATTACAAAAAGACCACGAATGGGCGACTTCCAGTCAAGTGGATGGCTCCTGAAGCCCTTTT
TGATAGAGTTTACACTCATCAGAGTGATGTCTGGTCCTTCGGGGTGTTAATGTGGGAGATCTTCACTTTA
GGGGGTTCACCCTACCCAGGGATTCCCGTGGAGGAACTTTTTAAGCTGCTCAAAGAGGGCCACAGGATGG
ACAAGCCCACCAACTGCACCAATGAACTGTACATGATGATGAGGGACTGCTGGCATGCTGTACCCTCACA
GAGGCCCACGTTTAAGCAGTTGGTGGAAGACTTGGATCGAATTCTGACTCTCACAACCAATGAGGAATAC
TTGGACCTCACCCAGCCTCTCGAACAGTATTCTCCTAGTTACCCCGACACAAGGAGCTCTTGTTCTTCAG
GGGACGATTCTGTGTTTTCTCCAGACCCCATGCCTTATGACCCCTGCCTGCCTCAGTATCCACACATAAA
CGGCAGTGTTAAAACATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001109893

Insert Size: 2259 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:	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_001109893.1, NP_001103363.1
RefSeq Size:	4387 bp
RefSeq ORF:	2259 bp
Locus ID:	25022
Cytogenetics:	1q37
Gene Summary:	may play a role in mesodermal cell differentiation [RGD, Feb 2006] Transcript Variant: This variant (c) lacks an alternate in-frame exon compared to variant a. The resulting isoform (c) has the same N- and C-termini but is shorter compared to isoform a.