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Product datasheet for RN200456

Fgfr2 (NM_001109895) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgfr2 (NM_001109895) 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:

>RN200456 representing NM_001109895
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGATTACCGTCCACATGGAGATATGGAACAGGACCAGGGATTGGCACCGTGACCATGGTCAGCTGGG
GGCGCTTCATCTGCCTGGTCTTGGTCACCATGGCAACCTTGTCCCTGGCCCGGCCCTCCTTCAGTTTAGT
TGAAGATACCACTTTAGAACCAGAAGGAGCACCGTACTGGACCAACACCGAAAAGATGGAGAAGCGGCTC
CATGCTGTCCCTGCCGCCAACACTGTGAAGTTCCGCTGTCCAGCCGGGGGGAATCCAACACCCACAATGA
GGTGGCTAAAAAACGGGAAGGAGTTTAAGCAGGAGCATCGCATCGGAGGCTATAAGGTACGAAACCAGCA
CTGGAGCCTTATTATGGAAAGTGTGGTCCCATCAGACAAAGGCAATTACACCTGCCTGGTGGAGAATGAA
TACGGGTCCATCAACCACACCTACCACCTTGATGTTGTTGAGCGATCACCACACCGGCCCATCCTCCAAG
CTGGACTGCCTGCAAATGCCTCCACGGTGGTCGGAGGGGACGTAGAATTTGTCTGCAAGGTTTATAGTGA
TGCCCAGCCCCATATCCAGTGGATCAAACATGTGGAAAAGAACGGCAGTAAATATGGACCTGATGGGCTG
CCCTACCTCAAGGTCCTGAAGCACTCGGGGATAAATAGCTCCAATGCAGAAGTGCTGGCTCTGTTCAATG
TGACGGAGATGGATGCTGGGGAATATATATGTAAGGTCTCCAATTATATAGGGCAGGCCAACCAGTCTGC
CTGGCTCACTGTCCTGCCCAAACAGCAAGCACCTGTGAGAGAGAAGGAGATCACAGCTTCCCCAGATTAC
CTGGAGATAGCTATTTACTGCATAGGGGTCTTCTTAATCGCCTGCATGGTGGTGACAGTCATCTTTTGCC
GAATGAAGACCACGACCAAGAAGCCAGACTTCAGCAGCCAGCCAGCTGTGCACAAGCTGACCAAGCGCAT
CCCCCTGCGGAGACAGGTAACAGTTTCGGCCGAGTCCAGCTCGTCCATGAACTCCAACACCCCACTGGTG
AGGATAACGACACGTCTGTCCTCAACGGCGGACACCCCGATGCTAGCAGGGGTCTCTGAGTACGAGTTGC
CAGAGGATCCAAAGTGGGAATTCCCCAGAGATAAGCTGACGCTGGGCAAACCCCTGGGGGAAGGCTGCTT
CGGGCAAGTAGTCATGGCTGAAGCGGTGGGAATCGATAAGGACAGACCCAAGGAGGCAGTCACCGTGGCG
GTGAAGATGTTGAAAGATGACGCCACAGAGAAGGACCTGTCTGACCTGGTGTCAGAGATGGAGATGATGA
AGATGATTGGTAAACATAAGAACATCATCAACCTCCTGGGGGCCTGCACCCAGGATGGACCCCTCTATGT
CATAGTCGAATACGCATCGAAAGGCAACCTCCGGGAATACCTCCGGGCCCGGAGGCCACCTGGCATGGAG
TACTCCTATGACATTAACCGAGTTCCCGAGGAGCAGATGACCTTCAAGGACTTGGTGTCCTGCACCTACC
AGCTGGCGAGAGGCATGGAGTACTTGGCTTCCCAAAAATGTATCCATCGAGACTTGGCAGCCAGAAATGT
GCTGGTAACAGAAAACAACGTGATGAAGATAGCAGACTTTGGCCTGGCCAGGGATATCAACAACATAGAC
TATTACAAAAAGACCACGAATGGGCGACTTCCAGTCAAGTGGATGGCTCCTGAAGCCCTTTTTGATAGAG
TTTACACTCATCAGAGTGATGTCTGGTCCTTCGGGGTGTTAATGTGGGAGATCTTCACTTTAGGGGGTTC
ACCCTACCCAGGGATTCCCGTGGAGGAACTTTTTAAGCTGCTCAAAGAGGGCCACAGGATGGACAAGCCC
ACCAACTGCACCAATGAACTGTACATGATGATGAGGGACTGCTGGCATGCTGTACCCTCACAGAGGCCCA
CGTTTAAGCAGTTGGTGGAAGACTTGGATCGAATTCTGACTCTCACAACCAATGAGGAATACTTGGACCT
CACCCAGCCTCTCGAACAGTATTCTCCTAGTTACCCCGACACAAGGAGCTCTTGTTCTTCAGGGGACGAT
TCTGTGTTTTCTCCAGACCCCATGCCTTATGACCCCTGCCTGCCTCAGTATCCACACATAAACGGCAGTG
TTAAAACATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001109895

Insert Size: 2181 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_001109895.1, NP_001103365.1
RefSeq Size:	4309 bp
RefSeq ORF:	2181 bp
Locus ID:	25022
Cytogenetics:	1q37
Gene Summary:	may play a role in mesodermal cell differentiation [RGD, Feb 2006] Transcript Variant: This variant (e) lacks two alternate in-frame exons compared to variant a. The resulting isoform (e) has the same N- and C-termini but is shorter compared to isoform a.