

Product datasheet for **SC337336**

FGFR4 (NM_001291980) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGFR4 (NM_001291980) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGFR4
Synonyms:	CD334; JTK2; TKF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001291980, the custom clone sequence may differ by one or more nucleotides

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ATGCGGCTGCTGCTGGCCCTGTTGGGGTCTGCTGAGTGTGCCTGGGCCTCCAGTCTTGTCCCTGGAGG
CCTCTGAGGAAGTGGAGCTTGAGCCCTGCCTGGCTCCAGCCTGGAGCAGCAAGAGCAGGAGCTGACAGT
AGCCCTTGGGCAGCCTGTGCGTCTGTGCTGTGGCGGGCTGAGCGTGGTGGCCACTGGTACAAGGAGGGC
AGTCGCCTGGCACCTGCTGGCCGTGTACGGGGCTGGAGGGCCGCTAGAGATTGCCAGCTTCTACCTG
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AGTTACCCCAAGCAAGCACCCCTACTGGACACACCCCAAGCGCATGGAGAAGAACTGCATGCAGTACCTG
CGGGGAACACCGTCAAGTCCGCTGTCCAGCTGCAGGCAACCCCAAGCCACCATCCGCTGGCTTAAGGA
TGGACAGGCTTTCATGGGGAGAACCGCATTGGAGGCATTCGGCTGCGCCATCAGCACTGGAGTCTCGTG
ATGGAGAGCGTGGTGCCTCGGACCGCGGCACATACACCTGCCTGGTAGAGAACGCTGTGGGCAGCATCC
GCTATAACTACCTGCTAGATGTGCTGGAGCGGTCCCGCACCGGCCATCCTGCAGGCCGGCTCCCGGC
CAACACCACAGCCGTGGTGGGCAGCGACGTGGAGCTGCTGTGCAAGGTGTACAGCGATGCCAGCCAC
ATCCAGTGGCTGAAGCACATCGTCATCAACGGCAGCAGCTTCGGAGCCGACGGTTTCCCCTATGTGCAAG
TCCAAAGACTGCAGACATCAATAGCTCAGAGGTGGAGGTCTGTACCTGCGGAACGTGTGAGCCGAGGA
CGCAGGCGAGTACACCTGCCTCGCAGGCAATCCATCGGCCTCTCCTACCAGTCTGCCTGGCTCACGGTG
CTGCCAGAGGAGGACCCACATGGACCGCAGCAGCGCCGAGGCCAGTTCTCCCTGGAGTCAAGGCTTTC
CGGCAAGTCAAGTCAATCCCTGGTACGAGGCGTGCCTCTCCTCCAGCGGCCCGCCTTGTCTCGCCGGC
CTCGCTGGTGTGGGAAGCCCCTAGGCGAGGGCTGCTTTGGCCAGGTAGTACGTGCAGAGGCCTTTGGC
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AGGACCTGGCCGACCTGGTCTCGGAGATGGAGGTGATGAAGCTGATCGGCCGACACAAGAATCAACA
CCTGCTTGGTGTCTGCACCCAGGAAGGGCCCTGTACGTGATCGTGGAGTGCAGCCGCAAGGAAACCTG
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GGCCGCTCTCCTTCCAGTCTGGTCTCCTGCGCCTACCAGGTGGCCCGAGGCATGCAGTATCTGGAGTC
CCGGAAGTGTATCCACCGGACCTGGCTGCCCGCAATGTGCTGGTACTGAGGACAATGTGATGAAGATT
GCTGACTTTGGGCTGGCCCGCGGCTCCACCACATTGACTACTATAAGAAAACAGCAACGGCCGCTGC
CTGTGAAGTGGATGGCGCCGAGGCCTTGTGGACCGGGTGTACACACACCAGAGTGACGTGTGGTCTTT
TGGGATCTGCTATGGGAGATCTTACCCTCGGGGCTCCCGTATCCTGGCATCCCGGTGGAGGAGCTG
TTCTCGTGTGCGGGAGGGACATCGGATGGACCGACCCACACTGCCCCAGAGCTGTACGGGCTGA
TGGTGTGAGTGTGGCACGCAGCGCCCTCCAGAGGCTACCTTCAAGCAGCTGGTGGAGGCGCTGGACAA
GGTCTGTGCGCGTCTGTGAGGAGTACCTCGACCTCCGCTGACCTTCGGACCCATTCCCCCTCTGGT
GGGAGCGCCAGCAGCACCTGCTCCTCCAGGATTTGTCTTACGCCACGACCCCTGCCATTGGGATCCA
GCTCCTTCCCCTCGGGTCTGGGGTGCAGACATGA
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001291980
- 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_001291980.1</u> , <u>NP_001278909.1</u>
RefSeq Size:	2911 bp
RefSeq ORF:	2205 bp
Locus ID:	2264
UniProt ID:	<u>P22455</u>
Cytogenetics:	5q35.2
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Endocytosis, MAPK signaling pathway, Regulation of actin cytoskeleton
Gene Summary:	<p>The protein encoded by this gene is a tyrosine kinase and cell surface receptor for fibroblast growth factors. The encoded protein is involved in the regulation of several pathways, including cell proliferation, cell differentiation, cell migration, lipid metabolism, bile acid biosynthesis, vitamin D metabolism, glucose uptake, and phosphate homeostasis. This protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment, and a cytoplasmic tyrosine kinase domain. The extracellular portion interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. [provided by RefSeq, Aug 2017]</p> <p>Transcript Variant: This variant (4) has two alternate splice sites in the coding region, compared to variant 1. The resulting isoform (3) has a distinct and shorter internal segment, compared to isoform 1.</p>