

Product datasheet for **SC215193**

FGFR2 (NM_000141) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	FGFR2 (NM_000141) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	FGFR2
Synonyms:	BBDS; BEK; BFR-1; CD332; CEK3; CFD1; ECT1; JWS; K-SAM; KGFR; TK14; TK25
ACCN:	NM_000141
Insert Size:	1555 bp



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Insert Sequence: >SC215193 3'UTR clone of NM_000141
 The sequence shown below is from the reference sequence of NM_000141. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCACACATAAACGGCAGTGTTAAAACATGAATGACTGTGTCTGCCTGCCCAAACAGGACAGCACTGG
GAACCTAGCTACTGAGCAGGGAGACCATGCCTCCCAGAGCTTGTGTCTCCACTTGTATATATGGAT
CAGAGGAGTAAATAATTGGAAAAGTAATCAGCATATGTGTAAAGATTTATACAGTTGAAAACCTGTAAAT
CTTCCCAGGAGGAGAAGAAGGTTTCTGGAGCAGTGGACTGCCACAAGCCACCATGTAACCCCTCTCAC
CTGCCGTGCGTACTGGCTGTGGACCAGTAGGACTCAAGGTGGACGTGCGTTCTGCCTTCCTTGTAAAT
TTGTAATAATTGGAGAAGATTTATGTCAGCACACACTTACAGAGCACAAATGCAGTATATAGGTGCTGG
ATGTATGTAATATATTTCAAATTTATGTATAAATATATATTATATATTTACAAGGAGTTATTTTTGTAT
TGATTTTAAATGGATGTCCCAATGCACCTAGAAAATTGGTCTCTCTTTTTTAAATAGCTATTTGCTAAA
TGCTGTTCTTACACATAATTTCTTAATTTTACCAGAGCAGAGGTGAAAAATACTTTTGCTTTCAGGGA
AAATGGTATAACGTTAATTTATTAATAAATTTGGTAATATACAAAAACAATTAATCATTATAGTTTTTTT
TGTAATTTAAGTGGCATTCTATGCAGGCAGCACAGCAGACTAGTTAATCTATTGCTTGGACTTAACTA
GTTATCAGATCCTTTGAAAAGAGAATATTTACAATATATGACTAATTTGGGGAAAATGAAGTTTTGATT
TATTTGTGTTTAAATGCTGCTGTCAGACGATTGTTCTTAGACCTCCTAAATGCCCATATTTAAAGAAC
TCATTCATAGGAAGGTGTTTCATTTTGGTGTGCAACCCTGTCATTACGTCAACGCAACGTCTAACTGGA
CTTCCCAAGATAAATGGTACCAGCGTCTCTTAAAAGATGCCTTAATCCATTCTTGAGGACAGACCTT
AGTTGAAATGATAGCAGAATGTGCTTCTCTGGCAGCTGGCCTTCTGCTTCTGAGTTGCACATTAATC
AGATTAGCCTGTATTCTCTTCAGTGAATTTTGAATGGCTTCCAGACTCTTTGGCGTTGGAGACGCCT
GTTAGGATCTTCAAGTCCCATCATAGAAAATTGAAACACAGAGTTGTTCTGCTGATAGTTTTGGGGATA
CGTCCATCTTTTTAAGGGATTGCTTTCATCTAATTCTGGCAGGACCTCACAAAAGATCCAGCCTCATA
CCTACATCAGACAAAATATCGCCGTTGTTCTTCTGACTAAAGTATTGTGTTTTGCTTTGGAAACACC
CACTCACTTTGCAATAGCCGTGCAAGATGAATGCAGATTACACTGATCTTATGTGTTACAAAATTGGAG
AAAGTATTTAATAAAAACCTGTTAATTTTTATACTGACAATAAAAATGTTTCTACAGATATTAATGTTAA
CAAGACAAAATAAATGTCACGCAACTTATTTTTTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_000141.5](#)

Summary:

The protein encoded by this gene is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative 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 of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Mutations in this gene are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis. Multiple alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jan 2009]

Locus ID:

2263

MW:

60.1