

## Product datasheet for **SC120494**

### **RFX3 (NM\_134428) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RFX3 (NM_134428) Human Untagged Clone
Tag:	Tag Free
Symbol:	RFX3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_134428, the custom clone sequence may differ by one or more nucleotides

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ATGCAGACATCAGAGACTGGGTCGGACACAGGCTCGACAGTGACCTTACAAACATCTGTGGCTAGTCAAG
CAGCAGTGCCTACGCAGGTGGTACAGCAAGTACCAGTACAACAACAGGTACAGCAGGTACAGACTGTGCA
GCAGGTACAACATGTCTATCCCGCTCAGGTGCAGTATGTGAAGGAAGCGATACTGTCTATACCAATGGA
GCAATCCGAACAACAACGTATCCTTACACAGAGACACAGATGTACAGCCAAAATACTGGAGGGAATTACT
TTGATACTCAAGGGAGTTCGCCAGGTACTACCGTGGTCTCATCCACAGTATGGTGGCACTGGTGG
GATTTCAGATGGGCGTCACAGGAGGACAACCTCATCAGCAGCTCTGGAGGAACCTATCTGATCGGCAACTCA
ATGGAGAATTCTGGTCACTCAGTGACACACACAACCTCGGGCCTCCCAGCGACAATTGAAATGGCGATTG
AGACGCTGCAAAAGTCTGACGGTCTGTCCACTCACAGAAGCTCTTTCTCAACAGCCATCTCCAGTGGCT
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GCCTGATAGAAAAATTGTGGCAAACATTCTGGCGCTATTCTCCCTCTACTCCAAGTATGGCACTACCAT
TACCGAATCGAGCAATCTGAGTGAATAGAAAGTCGACTTCCGAAAGCAAAGCTGATAACTCTGTGCAAA
CATGAGTCTATCCTGAAATGGATGTGTAAGTGTGACCATGGGATGTACCAGGCTTTGGTGGAGATTCTCA
TCCCCGACGTCCTTAGACCTATTCTAGTGCCTTGACCCAAGCCATTGAAATTTGCAAAAAGCCTTGA
AGGTTGGCTTTCCAATGCCATGAACAATATTCCACAGAGAATGATACAAACCAAGTTGCCGCTGTAAGT
GCCTTTGCCAGACTCTGCGAAGATACAGTCGCTTAATCACCTGGCCAGGCAGCTCGTGCAGTCTTC
AGAACACTTCCAAATCAACCAGATGCTTAGTGACCTCAACCGTGTGACTTTGCCAATGTCCAGGAGCA
GGCTTCTGGGTGTGCCAGTGTGATGACAACATGGTTCAGAGACTAGAAACAGACTTCAAGATGACTCTT
CAGCAGCAGAGCACCCCTGGAGCAGTGGGCTGCGTGGCTTGACAAATGTGATGATGCAAGCACTGAAACCT
ATGAAGGAAGACCAGTTTTCTAAAGCCGCCAGGCAGTTTCTGCTAAAATGGTCTTTCTACAGCTCAAT
GGTTATTCGGGACTTAACCTTACGCAGTGTGCTAGCTTTGGCTCCTTCCACCTGATCCGTCTACTCTAC
GACGAATATATGTTTTACTTAGTAGAACATCGTGTGCTCAGGCAACAGGAGAGACTCCTATAGCAGTCA
TGGGCGAGTTTGGTGATTTAAATGCCGTGTCTCCTGGAATCTGGATAAAGATGAAGGCAGTGAAGTAGA
AAGTGAATGGATGAAGAACTGGATGACTCTTCAGAGCCTCAAGCCAAAAGAGAGAAAACAGAGCTGAGC
CAGGCAATTTCCAGTGGGCTGCATGCAGCCTGTTCTCGAGACTGGCGTGCAACCAAGCCTCCTGAATCCAA
TTCACAGCGAGCACATTGTCACAAGTACTCAGACTATCAGACAGTGCAGCGCTACAGGAAATACCTACAC
TGCAGTCTAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_134428 unedited            ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGATCAAGCGCCATAGTCACCG            TAGTCCTGGCGACTGTTACCCATCAACAACAACACTCTCTCTCTCTCTCTCTCTCTCT            CCT            ACAGCCAAGAGACCATCATGCAGACATCAGAGACTGGGTCCGACACAGGCTCGACAGTGA            CCTTACAACATCTGTGGCTAGTCAAGCAGCAGTGCCTACGCAGGTGGTACAGCAAGTAC            CAGTACAACAACAGGTACAGCAGGTACAGACTGTGCAGCAGGTACAACATGTCTATCCCG            CTCAGGTGCAGTATGTGGAAGGAAGCGTACTGTCTATACCAATGGAGCAATCCGAACAA            CAACGTATCCTTACACAGAGACACAGATGTACAGCCAAAATACTGGAGGGAATTACTTTG            AACTCAAGGGAGTTCGCCCCAGGTGACTACCGTGGTCTCATCCACAGTATGGTGGGCA            CTGGTGGGATTAGATGGGCGTACAGGAGGACAACCTCATCAGCAGCTCTGGAGGAACCT            ATCTGATCGGCAACTCAATGGAGAATTCTGGTCACTCAGTGACACACACAACCTCGGGCT            CCCCAGCGACAATTGAAATGGCGATTGAGACGCTGCANAAGTCTGACGGTCTGTCCACTC            ACAGAAGTCTCTTCTCAACAGCCATCTCCAGTGGGCTGTTGGACAANTATGAGACAGCA            GAAGGAGTGAGCCTTCCCAGAGCACTCTGTACACCACTACCTTCGACACTGTCAGGACAC            AACTGGACCCAGTCATGCTGCCTNNCTTTGGNAAATNATAAGATCAATTTTTATGGGG            CTACGACCCAGNAGATGGGGCTAGAGGAACTCAATACACTACTATTGGGATCGGGTCA            GCCAGATCC</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_134428 unedited            NGGACTCTCTGNNACCGCGCCGAATCTANNATCGAGTTTTTTTTTTTTTTTTTTTTTTTT            TTTTTAAATGTAAATTACTTTTTAATTATAAGAAAACAAAACATTGACATTACTTGTGT            AAAAATCCTTCTTGACACCTGAAACTAAGGGAAAAAATTCATTATTAAGAAGCAAATAAT            TTGTTTACGTTAAAAAAAAGATCTGGCAAAATACATACACCCATTCCATTTCACAACTC            CAAAAAGTTAATGTTTCAGCACAGATAGAATTTGACAACAGTTCGACCTTCAGGCTTATTA            ATTTTCAACTTAAGCCCAATATCAACAGGGTAAATGTAAGCTGGAAAAATACGCTTTAAT            ATCTTTAGACTGCAGGGTAGGTATTTCTGTAGCGCTGCACTGTCTGATAGTCTGAGTA            CTTGTGACAATGTGCTCGCTGTGAATTGGATTGAGGAGGCTTGGTTGCACGCCAGTCTCG            AGAACAGGCTGCATGCAGCCCACTGGAATGCCCTGGCTCAGCTCTGTTTTCTCTCTTTT            GGCTTGAGGCTCTGAAGAGTCAATCCAGTTCCTCATCCATTTCACTTTCTACTTCACTGCC            TTTATCTTTATCCAGATTTCCAGGAGACCCGGCATTACATCACCAAACCTCGCCCATGAC            TGCTATAGGAGTTTCTCTGTTGCCTGAGCAACAGATGTTCTACTAAGTAAAACATATA            TTCCCCCGTAAAGAAACGGATCCGGGGGAAGGACCCAAGCTTCCACCCCTGGGAAAGGT            AATCCCCCAAACCATTTGGGCGGATACGAACCTTTAACAAAAACTGCCTGGCGGCTTTA            AGAAAAACGGGTCTCCCCTTTTAGGGTTTCAGGGGCTTGCTCTCCCTTGTCAAGCCCCC            CCACCCATGGCC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_134428
<b>Insert Size:</b>	2720 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_134428.1](#), [NP\\_602304.1](#)

**RefSeq Size:** 3018 bp

**RefSeq ORF:** 2250 bp

**Locus ID:** 5991

**UniProt ID:** [P48380](#)

**Cytogenetics:** 9p24.2

**Domains:** RFX\_DNA\_binding, RFX1\_trans\_act

**Protein Families:** Transcription Factors

**Gene Summary:** This gene is a member of the regulatory factor X gene family, which encodes transcription factors that contain a highly-conserved winged helix DNA binding domain. The protein encoded by this gene is structurally related to regulatory factors X1, X2, X4, and X5. It is a transcriptional activator that can bind DNA as a monomer or as a heterodimer with other RFX family members. Multiple transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2013]

Transcript Variant: This variant (2) represents the longest transcript and encodes the longest isoform (b). Both variants 2 and 3 encode the same isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.