

Product datasheet for **SC314482**

RFX3 (NM_002919) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RFX3 (NM_002919) Human Untagged Clone
Tag:	Tag Free
Symbol:	RFX3
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_002919, the custom clone sequence may differ by one or more nucleotides

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ATGCAGACATCAGAGACTGGGTCGGACACAGGCTCGACAGTGACCTTACAAACATCTGTG
GCTAGTCAAGCAGCAGTGCCTACGCAGGTGGTACAGCAAGTACCAGTACAACAACAGGTA
CAGCAGGTACAGACTGTGCAGCAGGTACAACATGTCTATCCCCTCAGGTGCAGTATGTG
GAAGGAAGCGATACTGTCTATACCAATGGAGCAATCCGAACAACAACGTATCCTTACACA
GAGACACAGATGTACAGCCAAAATACTGGAGGGAATTACTTTGATACTCAAGGGAGTTCC
GCCCAGGTGACTACCGTGGTCTCATCCCACAGTATGGTGGGCACTGGTGGGATTCAGATG
GGCGTCA CAGGAGGACA ACTCATCAGCAGCTCTGGAGGAACCTATCTGATCGGCAACTCA
ATGGAGAATTCTGGTCACTCAGTGACACACAACTCGGGCTCCCCAGCGACAATTGAA
ATGGCGATTGAGACGCTGCAAAAGTCTGACGGTCTGTCCACTCACAGAAGCTCTCTTCTC
AACAGCCATCTCCAGTGGCTGTTGGACAATTATGAGACAGCAGAAGGAGTGAGCCTTCCC
AGAAGCACTCTGTACAACACTACCTTCGACACTGTCAGGAACACAACTGGACCCAGTC
AATGCTGCCTCTTTGGAAAATTAATAAGATCAATTTTTATGGGGCTACGAACCAGGAGA
TTGGGCACTAGAGAACTCCAATACCACTACTATGGGATTCGTGTCAAGCCAGATTCC
CCTCTTAATCGTCTGCAAGAAGACATGCAGTATATGGCTATGAGACAACAACCCATGCAA
CAGAAACAAAGGTACAAGCCTATGCAGAAAGTGGATGGGGTTGCAGATGGTTTCACAGGA
AGTGGTCAACAGACAGGCACATCTGTTGAGCAACTGTAATTGCCCAAAGCCAACATCAT
CAACAGTTTTTAGATGCATCTCGAGCACTTCCAGAGTTTGGAGAAGTTGAAATCTCTTCT
CTGCCAGATGGTACTACCTTTGAGGATATCAAGTCACTGCAGAGTCTTTATAGAGAGCAC
TGTGAGGCAATATTGGACGTTGTTGTGAATCTTCAATTTAGCCTGATAGAAAAATGTGG
CAAACATCTGGCGCTATTCTCCCTCTACTCCAAGTGGCACTACCATTACCGAATCG
AGCAATCTGAGTGAATAGAAAGTCGACTTCCGAAAGCAAAGCTGATAACTCTGTGCAAA
CATGAGTCTATCCTGAAATGGATGTGTAAGTGTGACCATGGGATGTACCAGGCTTTGGTG
GAGATTCTCATCCCCGAGTCTTAGACCTATTCTAGTGCCTTGACCCAAGCCATTGGA
AATTTTGCAAAAGCCTTGAAGTTGGCTTTCCAATGCCATGAACAATATTCCACAGAGA
ATGATACAAACCAAGGTTGCCGCTGTAAGTGCCTTTGCCCAGACTCTGCGAAGATACACG
TCGCTTAATCACCTGGCCAGGCAGCTCGTGCAGTGTTCAGAACACTTCCCAAATCAAC
CAGATGCTTAGTGACCTCAACCGTGTGACTTTGCCAATGTCCAGGAGCAGGCTTCTCGG
GTGTGCCAGTGTGATGACAACATGGTTCAGAGACTAGAAACAGACTTCAAGATGACTCTT
CAGCAGCAGAGCACCTGGAGCAGTGGGCTGCGTGGCTTGACAATGTGATGATGCAAGCA
CTGAAACCTATGAAGGAAGACCCAGTTTTCTAAAGCCGCCAGGCAATTTCTGCTAAAA
TGGTCTTTCTACAGCTCAATGGTTATTCGGGACTTAACCTTACGCAGTGTGCTAGCTTT
GGCTCCTTCCACCTGATCCGTCTACTCTACGACGAATATATGTTTTACTTAGTAGAACAT
CGTGTGCTCAGGCAACAGGAGAGACTCTATAGCAGTCAATGGGCGAGGTAAGAGAGGCT
GAAAGAGCTGTGACCCACTGGGTTATTAATAAATAAGCCAGAATTACACTTCAGTCTAAAT
ACATTATTGATTAACCAATGGTTCCTAACCAAGTCAGCCTCAGAGCCAGGAGGGACTGT
GGAGTTATTGCAAGAGTTCTCT

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Restriction Sites: Please inquire

ACCN: NM_002919

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	NM_002919.2 , NP_002910.1
RefSeq Size:	3275 bp
RefSeq ORF:	2124 bp
Locus ID:	5991
UniProt ID:	P48380
Cytogenetics:	9p24.2
Domains:	RFX_DNA_binding, RFX1_trans_act
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR and its 3' terminal exon extends past a splice site that is used in variant 2. This results in a novel 3' coding region and 3' UTR, compared to variant 2. It encodes isoform a which is shorter and has a distinct C-terminus, compared to 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.</p>