

## Product datasheet for **SC310204**

### **RFX4 (NM\_032491) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RFX4 (NM_032491) Human Untagged Clone
Tag:	Tag Free
Symbol:	RFX4
Synonyms:	NYD-SP10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC310204 representing NM\_032491.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAACTGGGCTGCCTTCGGAGGGTCTGAATTCTTCATCCCAGAAGGCATTCAGATAGATTCGAGATGC
CCACTAAGCAGAAATATCACGGAATGGTACCATTACTATGGCATTGCAGTGAAAGAAAGCTCCCAATAT
TATGATGTGATGTATTCCAAGAAAGGAGCTGCCTGGGTGAGTGAGACGGCAAGAAAGAAGTGAGCAAA
CAGACAGTGGCATATTCACCCCGTCCAAACTCGGAACACTGCTGCCAGAATTTCCCAATGTCAAAGAT
CTAAATCTGCCAGCCAGCCTGCCTGAGGAGAAGGTTTCTACCTTTATTATGATGTACAGAACACACTGT
CAGAGAATACTGGACACTGTAATAAGAGCCAACCTTGTAGAGTTCAAAGTTTCTTCTGCACTTTTGG
CAAGGAATGCCGCCCACATGCTGCCTGTGCTGGGCTCCTCCACGGTGGTGAACATTGTCGGCGTGTGT
GACTCCATCCTCTACAAAGCTATCTCCGGGTGCTGATGCCACTGTGCTGCAGGCATTACCTGACAGC
TTAACTCAGGTGATTCGAAAGTTTGCCAAGCAACTGGATGAGTGGCTAAAAGTGGCTCTCCACGACCTC
CCAGAAAACCTTGGAAACATCAAGTTTCAATTGTGCGAGAAGGTTCTCCAAATTCGAGACGGCAAACA
TACTAAATCATCTCTGCCAGGCATCTCGAACAGTGATCCACAGTGCAGACATCAGTTCCAAATGCTG
GAAGACTGGAGGAACGTGGACCTGAACAGCATCAACCAAGCAAACCCTTTACACCATGGAAGACTCTCGC
GATGAGCACCGGAAACTCATACCCAATTATATCAGGAGTTTGACCATCTCTTGGAGGAGCAGTCTCCC
ATCGAGTCTACATTGAGTGGCTGGATACCATGGTTGACCGCTGTGTTGTGAAGTGGCTGCCAAGAGA
CAAGGGTCTTGAAGAAAGTGGCCAGCAGTTCCTCTTGTGATGGTCTGTTTCGGCACAAGGGTGTATC
CGGACATGACCTTGACAGCGCCCCAGCTTCGGGTCTTTTACCTAATCACTTAATGTTTGTGATGAC
TACGTGCTACCTGTTAGAATCTCTGCACTGTGAGGAGCGGCCAATGAGCTCATGCGAGCCATGAAG
GGAGAAGGAAGCACTGCAGAAGTCCGAGAAGAGATCATCTTGACAGAGGCTGCCGACCAACCCCTCA
CCAGTGCCATCGTTTTTCCAGCAAAATCTGCCACATCTGTGGAAGTGCCACCTCCCTCTTCCCCTGTT
AGCAATCCTTCCCCTGAGTACACTGGCCTCAGCACTACAGGAGCAATGCAGTCTTACACGTGGTCTCTA
ACATACACAGTACGACGGCTGTGGGTCCCCAGCTGAGAACTCCAACAGCTGCCCTGTATGAGGAAC
ACTCATGTGCCTTCTTCTCCGTACACACAGGATACCAGTTTATCCCCACAGAGAGGAACATGGATAC
ACGGGAAGCTATAACTATGGGAGCTATGGCAACCAGCATCCTCACCCATGCAGAGCCAGTATCCGGCC
CTCCCTCATGACACAGCTATCTTGGGCCACTCCACTATGCCCTTACCACAGGAGCTCTGCACAGTAC
CCTTTTAAAGCCCACTTCCCGATGGAACCTTGTGTTGATGAGCAGTACTCCAGACTGCATCCTACC
CCAGTCACTCCCCGCTGGCCAGAGGTGCCCTCAGCCAACAGTGTACACAAGCCGCTGTGTGATTCT
GCGAGGTACGGAACTCTAGTGACATGTATACCTCTGACAACGCGCAGGAATTCGAATATGAGCAC
ATGCAACACTTTCTGGCTTTGCTTACATCAACGGAGAGGCCCTCTACAGGATGGGCTAAATTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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**Restriction Sites:** Sgfl-Mlul

**Plasmid Map:**

**ACCN:** NM\_032491

**Insert Size:** 1926 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).

**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.

<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_032491.5</a>
<b>RefSeq Size:</b>	3384 bp
<b>RefSeq ORF:</b>	1926 bp
<b>Locus ID:</b>	5992
<b>UniProt ID:</b>	<a href="#">Q33E94</a>
<b>Cytogenetics:</b>	12q23.3
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	72.6 kDa
<b>Gene Summary:</b>	<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, X3, and X5. It has been shown to interact with itself as well as with regulatory factors X2 and X3, but it does not interact with regulatory factor X1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2011]</p> <p>Transcript Variant: This variant (1, also known as RFX4_v1) differs in the 5' UTR, and lacks several exons in the 5' coding region but includes an alternate 5' coding region, compared to variant 3. The encoded isoform (a, also known as RFX4-A) has a distinct and shorter N-terminus, compared to isoform c.</p>