

Product datasheet for **SC314460**

RFX2 (NM_134433) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RFX2 (NM_134433) Human Untagged Clone
Tag:	Tag Free
Symbol:	RFX2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

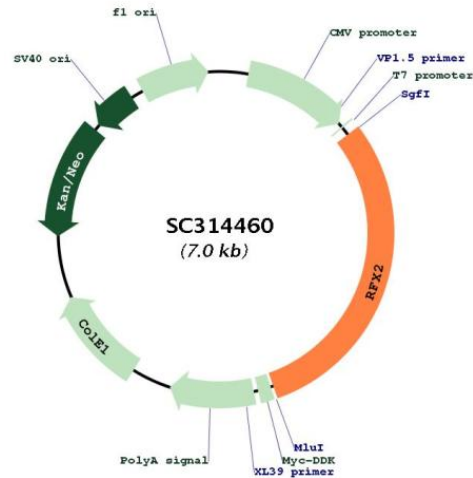


[View online »](#)

Fully Sequenced ORF: >SC314460 representing NM_134433.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCAGAATCCGAGGGTGGAGCGGATTCGCCAGCGTCCGTGGCTCTGCGTCCCTCGGCGCAGCCCCG
CCTGTGCCAGCCTCCCCGAGAGGGTGTGGTCCAGGCAGCCAGCTCCAATCCCAAGGGGCCAGATG
CAGCCGATCTCCCTCCCCAGAGTTCAGCAGGTACCCAGCAGGTGCAGCCGGTGCAGCACGTGTATCCT
GCCAGGTGCAGTACGTGGAAGGGGAGACGCCGTCTACACCAATGGAGCCATACGAACAGCCTACACC
TACAACCCGAGCCTCAGATGTACGCCCCAGCAGCACGGCTTCTACTTCGAGGCCAGGCGGTGCC
CAGGTGACCGTGGCAGCCTCGTCCCGCCAGCGGTCCCCTCCACAGCATGGTGGGCATCACCATGGAT
GTCGGGGGAGCCCCATCGTCTCCAGCGCGGGAGCCTATCTCATCCAGGGGGATGGACAGCACCAGA
CACTCCCTGGCCACACCTCCCGCTCATCGCCGCCACGTCCAGTGGCTGTTGGATAATTATGAAACA
GCGGAAGGTGTGAGTCTCCCAGAAGTTCTTTACAACCACTACCTTCGGCACTGCCAGGAGCACAAAG
CTAGACCCAGTGAACGCCCTCCTTCGGGAACTGATCCGTTCTGTGTTTATGGGGCTGAGAACCGGG
CGGCTGGGCACCAAGGGCAACTCGAAGTACCATTACTATGGGATTCGTCTGAAGCCGGACTCACCCTG
AACCGGTGCAGGAGGACACGCAGTACATGGCCATGCGGCAGCAGCCATGCACCAGAAGCCAGGTAC
CGGCCAGCCAGAAAGACGGACAGCCTCGGGGACAGCGGCTCCCACAGCGGCTGCACAGCACTCCGAA
CAGACCATGGCCGTGCAGAGCCAGCACCACCAGCAGTACATAGATGTCTCCACGTCTTCCCGAGTTC
CCAGCGCCGACCTGGGAGCTTCTGTGCAGGACGGGTCACACTGCACGACGTCAAGGCCCTGCAG
CTGGTGTACAGACGGCACTGCGAGGCAACTGTAGATGTGGTGTGAACCTCCAGTCCACTACATCGAG
AAGCTGTGGCTCTCCTTCTGAACTCTAAGGCTCCTCCAGCGACGGCCCACTCTCTTCTGCCATC
GACGAAGACCCGAGGGCGCCGTCTGCCAAGGACAAGCTTATCTCCCTGTGTGAGTGGGACCCATC
CTCAGGTGGATGAGGAGCTGCGACACATCCTCTACCAGCGCTGGTGGAGATTCTCATCCCCGAGGTG
CTGAGGCCGTCCCCAGTACCTTGACACAGCCATCCGTAACCTTGCAGAGCTTGAAGGCTGGTTG
ACAAATGCCATGAGTGACTTCCCAACAGGTCATCCAGACCAAGGTGGGCGTGTGAGTGCCTTCGCC
CAGACGCTGCGGCGCTACACGTCCCTCAACCACCTGGCGCAGGCGGCCCGGGCGGTGCTGCAGAACAG
TCCCAGATCAACCAGATGCTCAGCGACCTCAACCAGTGGACTTTGCCAACGTGCAGGAGCAGGCCCTG
TGGGTGTGCCAGTGCAGGAGAGTGTGGTGCAGCGGCTGGAGCAGGATTTCAAGCTGACCCTGCAGCAG
CAGAGCTCCCTGGACAGTGGGCCAGCTGGCTGGACAGTGTGGTCAACCAGGTCTGAAGCAGCATGCC
GGCAGCCCCAGCTTCCCCAAGGCCGCCCGCAGTCTTGTGAAATGGTCTTTTACAGTCCATGGTG
ATCCGGGACCTGACCCTGCGCAGCGCTGCCAGCTTCGGCTCCTTCCACCTCATCCGCTGCTCTACGAC
GAGTACATGTTTACCTGGTGGAGCACCAGTCCGCGGAGGCCACCGGAGAGACGCCGATCGCTGTGATG
GGAGAGTTCAACGATCTCGCCTCTGTGCTGACGCTGCTCGACAAAGATGACATGGGCGATGAGCAG
CGTGGCAGCGAGGCGGGCCAGACGCCCGCAGCCTGGGTGAGCCCTGGTAAAGCGGGAGCGCAGTGAC
CCCAACCACTCCCTGCAGGGCATCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_134433

Insert Size: 2097 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.

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:

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_134433.2](#)

RefSeq Size: 4039 bp

RefSeq ORF: 2097 bp

Locus ID: 5990

UniProt ID: [P48378](#)

Cytogenetics:	19p13.3
Domains:	RFX_DNA_binding, RFX1_trans_act
Protein Families:	Druggable Genome, Transcription Factors
MW:	77.3 kDa
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, X3, X4, and X5. It is a transcriptional activator that can bind DNA as a monomer or as a heterodimer with other RFX family members. This protein can bind to cis elements in the promoter of the IL-5 receptor alpha gene. Two transcript variants encoding different isoforms have been described for this gene, and both variants utilize alternative polyadenylation sites. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) includes an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform b) when it is compared to isoform a.</p>