

Product datasheet for **SC329830**

RFX4 (NM_001206691) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RFX4 (NM_001206691) Human Untagged Clone
Tag:	Tag Free
Symbol:	RFX4
Synonyms:	NYD-SP10
Vector:	pCMV6-Entry (PS100001)

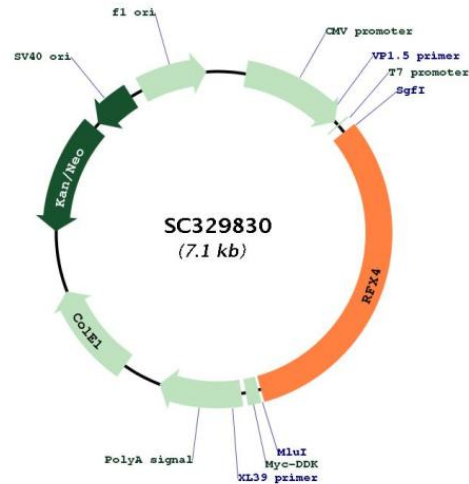


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Fully Sequenced ORF: >SC329830 representing NM_001206691.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGATCAAAGGAGAGCCACCCTGGTGCGGGAGGCGACAGGACCAGGCCTCGACGGCGCCGTTCCACT
 GAGAGCTGGATTGAAAGATGTCTCAACGAAAGTAAAAACAACGTTATCCAGCCACACATCTCTGGGG
 AATGTTTCTAATGATGAAAAAGAGAAAAAGAAAAATAAGAGCATCCAAGCCCCACTCCACTCCTGCT
 ACTCTGCAATGGCTGGAGGAGAATATGAGATTGCAGAGGGGGTCTGCATCCCTCGCAGTGCCCTCTAT
 ATGCATTACCTGGATTTCTGCGAGAAGAATGATACCCAACCTGTCAATGCTGCCAGCTTTGGAAAGATC
 ATAAGGCAGCAGTTTCTCAGTTAACACCAGAAGACTCGGGACCCGAGGACAGTCAAAGTACCATTAC
 TATGGCATTGCAGTAAAAGAAAGCTCCCAATATTATGATGTGATGATTCCAAGAAAGGAGCTGCCTGG
 GTGAGTGAGACGGGAAGAAAGAGTGAAGCAACAGACAGTGGCATTACACCCCGTCCAACTCGGA
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 GATGAGGTTCAAAGTTTCTTCTGCACCTTTGGCAAGGAATGCCGCCACATGCTGCCTGTGCTGGGC
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 GAGCGGGCCAATGAGCTCATGCGAGCCATGAAGGAGAAAGGAAGCACTGCAGAAGTCCGAGAAGAGATC
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 TATGCCCTTACCACAGGAGCTCTGCACAGTACCCTTTAATAGCCCCACTTCCCGGATGGAACCTTGT
 TTGATGAGCAGTACTCCAGACTGCATCCTACCCAGTCACTCCCGCTGGCCAGAGGTGCCCTCAGCC
 AACACGTGCTACACAAGCCCGTCTGTGCATTCTGCGAGGTACGGAAACTCTAGTGACATGTATACCT
 CTGACAACCGCGCAGGAATTCTGAATATGAGCACATGCAACACTTCTGGCTTTGCTTACATCAACGGA
 GAGGCCTTACAGGATGGGCTAAATGA

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001206691

Insert Size: 2235 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).

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_001206691.1](#)

RefSeq Size: 3718 bp

RefSeq ORF: 2235 bp

Locus ID: 5992

UniProt ID: [Q33E94](#)

Cytogenetics: 12q23.3

Protein Families: Transcription Factors

MW: 84.5 kDa

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, 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]

Transcript Variant: This variant (4, also known as RFX4_v4) uses an alternate 5' exon and thus differs in the 5' UTR and 5' coding region, compared to variant 3. The encoded isoform (d, also known as RFX4-C) has a distinct N-terminus and is longer than isoform c.