

Product datasheet for **SC106630**

RFX7 (NM_022841) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RFX7 (NM_022841) Human Untagged Clone
Tag:	Tag Free
Symbol:	RFX7
Synonyms:	RFXDC2
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022841, the custom clone sequence may differ by one or more nucleotides

```
ATGGCAGAGGAACAACAACAGCCGCCACCACAGCAGCCTGATGCCCATCAGCAGCTTCCCCCAGCGCCC  
CCAACCTCGGGGTGGCCCTGCCAGCCCTGTGCCGGGCTGCCAGGGACAGAGGCCAGCGCTGCAACA  
CAAGATCAAGAACTCCATCTGCAAACTGTACAATCTAAAGTGGACTGCATTTTGAAGAAGTTGAGAAG  
TTTACAGACCTAGAGAACTCTACCTCTACCTTCAGCTGCCTTCTGGTCTCAGCAATGGAGAAAAAGTG  
ATCAGAATGCCATGTCATCTAGTCGGGCACAACAATGCATGCCTTTTCTGGATTCCGAATACCCTAGA  
GGAACATCCGGAGACTTCACTGCCCAAACAGGAAGTCTATGATGAGTACAAGAGCTATTGTGACAATCTT  
GGTTACCATCCATTAAGTGTCTGATTTTGGAAAGATCATGAAAAACGTCTTCCAAACATGAAGGCAC  
GTCGTTTGGGCACAAGAGGCAAATCTAAATATTGCTACAGTGGACTAAGAAAAAAGCTTTTGTTCATAT  
GCCAACACTGCCAACCTTGACTTTACAAAACAGGAGATGGGTTGGAAGGAGCTGAACCTTCTGGGCAG  
CTTCAAAATATTGATGAAGAAGTTATCTTCTGCTTGCCGTCTGTGTGAGTGGGCCAGAAAGTGT  
TAAGCCAACCATTTGACACCGTCTTGAATTAGCCCGTCTCCTTGTAAAAAGTCACTATATAGGCACCAA  
GTCAATGGCAGCTCTAACTGTAATGGCAGCAGCACCAGCAGGAATGAAAGGAATTACCCAGCCTTCTGCT  
TTTATACCTACAGCTGAAAGTAATCTTTCAGCCTCAGGTGAAGACTTTGCCATCTCCAATTGATGCTA  
AACAGCAGTTGCAACGGAAAATCCAGAAGAAGCAGCAAGAACAAGAACTACAATCCCTTTGCCAGGAGA  
ATCTGCAGCAAAAAAGTCAGAAAGTGCTACAAGCAATGGAGTGACTAATCTTCTAATGGAATCTTCA  
ATCCTTTCTCCTCAACCTATTGGTATCGTTGTGGCAGCTGCCCTAGTCCATTCCGGTCCAGCGGACTA  
GGCAATTGGTAACTTACCGAGTCCAATGAGTTCTTCTGACGGCAAAGTTCTTCCCTCAATGTACAGGT  
GGTCACTCAGCACATGCAGTCTGTGAAACAGGCACCAAAGACTCCCAGAACGTTCCAGCCAGTCTGGT  
GGGGATCGTTCTGCCCGCACCGTTACCCTCAGATCTTACCCAAACCAGCGAACACCAGTGCCTCACC  
TTCGCTCTCAACTACTGCTCTTACTAGTAGTCCCATCAAACACTGCTGTTGTACCCGCTTACACAT  
GAGTTCTCTAAATGTGGTAAAAATGACAACAATATCCCTCACACCAGCAACAGTAACACCCCTCTTAA  
CATTCTGCCTCAGTCAGCAGTGCTACAGGAACAACAGAAGAATCAAGGAGTGTCCACAGATCAAGAATG  
GTTCTGTGCTGTCGCTTCACTGCTCCTGGGTCCAGGAGCAGCAGTGCAGGGGGAACATCTGCTGTGGAAGT  
CAAAGTGAACCCGAAACATCATCAGATGAGCATCCTGTACAGTGCCAAGAGAAGTCTGATGAGGCTAAA
```



GCTCCCCAGACACCTAGTGCCCTTTGGGGCAGAAAAGTAAACAGACGGAGCACTGCAGAAACCTTCAA
ATGAAGGTGTCATTGAAATAAAAGCAACTAAGGTCTGTGACCAGAGGACCAAATGTAAAAGTCGCTGTAA
TGAAATGCTGCCAGGCACGTCAACAGGCAATAATCAAAGCACTATCACTCTATCAGTTGCTTCTCAGAAC
TTAACTTTACCAGCAGCAGCTCACCACCTAATGGTGACTCAATCAATAAAGACCCTAAATTATGCACTA
AAAGCCCAAGAAAACGACTGTCTTCTACATTGCAAGAGACCCAGGTGCCTCCTGTAAAGAAAACCAATTGT
GGAACAGCTTTCAGCAGTACCATAGAAGGGCAGAAAACAGGCAGTGTTAAGAAGGACCAAAAAGGTTCCA
CATTACAGGAAAACAGAAGGTTCAACAGCAGGTGCTCAGATTCCTAGCAAGGTATCAGTAATGTCAGTT
CACACATAGGAGCAAATCAACCCTTGAATTCCTCTGCCCTTGTTATCAGTGATTACAGCTTTGGAACAGCA
AACAAACCCATCATCATCTCCAGATATAAAAGTAAAACCTGAAGGAAGTGCTTTCTCTTGACAGTGAT
TCAAAGTCAGTTGGCAGCTTTAATCCAAATGGATGGCAACAAATCACTAAAGATTCTGAGTTTATATCTG
CCAGTTGTGAACAACAGCAAGATATCAGTGTTATGACAATTCCTGAGCACTCTGATATCAATGACTTAGA
GAAATCTGTTGGGAATTAGAAGGAATGCCACAGGACACATATAGCCAGCAGCTACATAGCCAGATACAG
GAATCTTCTTTAAATCAAATAAAGCACATTCTCAGATCAGTTACCTCTGCAATCTGAACTGAAGGAGT
TTGAGCCTTCTGTTCCAGACAATGAAAGCTACTTTCTTTTGATGATGAACTACACAAGATAGTAT
TGTGGAAGAGCTGGTGCTTATGGAGCAGCAAATGTCAATGAACAATTCTCATTCTACGGCAACTGTTTG
GGAATGACCCCTCAGAGTCAGTCAGTAACCTCCAGGAGCTCCAATGTCATCTCACACTTCCAGCACCCACT
TCTATCATCCAATCCACAGCAATGGCACTCCAATCCACACACCCACCCACACCCACACCCACTCCTAC
TCCAACCCCAACCCCAACCCGACATCTGAAATGATTGCTGGATCTCAGAGTCTGTACGGGAGAGCCCT
TGCTCCAGGCTAGCCAGACTACACCTGTGGATAGTGCTTTAGGAAGTAGCCGACATACACCCATTGGTA
CTCCACATTCTAACTGCAGCAGTAGTGTCACCCAGCCCTGTTGAATGCAGGAATCCGTTTGCATTAC
TCCAATAAGCTCCAGTATGGCATATCATGACGCCAGCATTGTCTCAAGTAGTCTGTGAAACCGATGCAA
AGCCCATGGCCACACACCCCTGACAAAACCAAGCTTGAATGGATGAATAATGGGTATAGTGGGTTGGTA
ATTCATCAGTTTTCTGGCCATGGTATTCTCCAAGCTATCAGGAACTAGTGAAGACCGTTTCAGGAAACC
TCATGCTTTTGCTGTGCCTGGACAGTCTTATCAGTCTCAATCCAGACATCATGACACTAATTTTGGTCGT
TTGACTCTGTCTCCTGTGCAGCATCAAGGTGCCACTGTAAATAACACCAACAAAACAGGAGGTTTTG
CAGTCCCTGCCCTCTTGATAATAAAGGAACTAATTCATCTGCCAGCAGCAACTCAGATGCCGGAGTGT
GAGCCCTGCTGTTTCATCGCCAACGTAATCTTAGTGAAGCACCCCTCTATCCAGTATCTAATATCCCACGA
TCTAATGTGACCCCTTTGGAAGTCCAGTTACCCAGAAGTTCATGTTTTCAAAATGTTACACAGACG
CATGTGCCAACACATAGCTCAAAGAAGCCAATCAGTTCCATTGACAGTCATGATGCAGACAGCCTTCCC
AAACGCTCTTCAGAAGCAAGCAAACAGTAAAAAATAACCAATGTTTTGTTGAGTAAACTTGATTCCGAC
AATGATGATGCAGTGAGAGGTTTTGGGAATGAACAACCTGCCCTAATTATACAGCCGGATGAATCTCA
CTCAGATTTTGGAACCTTCCACTGTTTTCTAGTGCCAACCCACAAAATATGATCGATTCCAGCACTTC
TGTTTTATGAGTTCAAAACACCATCTTACCTCACAAAAGTAATAGCACCGGTGAGATCAATTTTTCTCCT
GGAGATAATCAAGCAATCAGAAATGGAGAGCAACAATTAGATTTCAATAGCACTGTTAAAGACCTGT
TGAGTGGAGACAGCTTGCAAACCAACCAGCAGCTGGTAGGTGAGGGAGCATCTGATCTCAATAACTGC
ATCTGATTTCTAGCGATATCAGGTTGTCTTCTGAGCTCTCAGGCAGCATCAATGATTTGAACACTTTA
GACCCAACTACTGTTTGATCCAGGTCGTGAGGAGGACAAGATGATGAAGCTACACTGGAAGAATTA
AGAATGACCCATTATTTCAACAAATTTGAGTGAATCCATGAATCTATGACTTCATCAGTTTTGAAATG
GATAGAAAAGCAAGGACCATCCTACTGTTGAAATGTTGGTTAA

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_022841 unedited TTATAACCCCGCCCGTTGCCGTAAGGGCGGTAGGCGGTACGGTGGGAGGTCTATATA AGCAGAGCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCG CGAATTCGGCACCAGCTCCCCCTTCGTCTCCCTCCCGGTCTTCCCTCACCCCTCC CCGCGCCCCATCTTCCCTCCCTCCCTCCACCCCTCTGCAGCGATGGCAGAGGAACAA CAACAGCCGCCACCACAGCAGCCTGATGCCATCAGCAGCTTCCCCCAGCGCCCCAAC TCGGGGTGGCCCTGCCAGCCCTTGCCCGGGCTGCCAGGGACAGAGGCCAGCGCGCTG CAACACAAGATCAAGAACTCCATCTGCAAACTGTACAATCTAAAGTGGACTGCATTTTG CAAGAAGTTGAGAAGTTTACAGACCTAGAGAACTCTACCTCTACCTTCAGCTGCCTTCT GGTCTCAGCAATGGAGAGAAAAGTGATCAGGATGCCATGTCATCTAGTCGGGCACAACAN ATGCATGCCTTTTCTGGATTGGAATACCCTAGAGGAACATCCGGAGACTTCACTGCCCA AACAGGAAGTCTATGATGAGTACCAGAGCTATTGTACAATCTTGTTTACCATCCATTAA GTGCTGCTGATTTGGAAAGATCTGAAAACGCTTTCAAACCTGAAAGCACGCTTTTTG GGCCACAGAGGCAATCTAAATATTGCTACAGGGGACTAAGAAAAAGCTTTTGTCTTT GCCCAACCTGCCAACCTTTGACTTTACCAAACTGGAAGGGTTTGAAGGACCTTAAC CTTTTGGGGAGCTTCAAATTTGATGAAAAATTTATTTTTTTGTCTGCCCGCTTGTGGGG GAGGGGCCCAAAAGGGTAAACCAACCTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_022841
Insert Size:	4700 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_022841.3 , NP_073752.3
RefSeq Size:	7203 bp

RefSeq ORF:	7203 bp
Locus ID:	64864
UniProt ID:	<u>Q2KHR2</u>
Cytogenetics:	15q21.3
Protein Families:	Transcription Factors
Gene Summary:	RFX7 is a member of the regulatory factor X (RFX) family of transcription factors (see RFX1, MIM 600006) (Aftab et al., 2008 [PubMed 18673564]).[supplied by OMIM, Mar 2009]