

Product datasheet for **RC238076**

RFX3 (NM_001282117) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: RFX3 (NM_001282117) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: RFX3
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RC238076 representing NM_001282117
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGACATCAGAGACTGGGTCGGACACAGGCTCGACAGTGACCTTACAAACATCTGTGGCTAGTCAAG
 CAGCAGTGCCTACGCAGGTGGTACAGCAAGTACCAGTACAACAACAGGTACAGCAGGTACAGACTGTGCA
 GCAGGTACAACATGTCTATCCCCTCAGGTGCAGTATGTGGAAGGAAGCGATACTGTCTATACCAATGGA
 GCAATCCGAACAACAACGTATCCTTACACAGAGACACAGATGTACAGCCAAAATACTGGAGGGAATTACT
 TTGATACTCAAGGGAGTCCGCCAGGTACTACCGTGGTCTCATCCACAGTATGGTGGGCACTGGTGG
 GATTGAGATGGGCGTCACAGGAGGACAACCTCATCAGCAGCTCTGGAGGAACCTATCTGATCGGCAACTCA
 ATGGAGAATTCTGGTCACTCAGTGACACACAACTCGGGCCTCCCAGCGACAATTGAAATGGCGATTG
 AGACGCTGCAAAAGTCTGACGGTCTGTCCACTCACAGAAGCTCTTTCTCAACAGCCATCTCCAGTGGCT
 GTTGGACAATTATGAGACAGCAGAAGGAGTGAGCCTTCCAGAAGCACTGTACAACCACTACCTTCGA
 CACTGTCAGGAACACAACTGGACCCAGTCAATGCTGCCTTTTTGGAAAATTAATAAGATCAATTTTTTA
 TGGGGCTACGAACCAGGAGATTGGGCACTAGAGGAACTCCAAATACCACTACTATGGGATTCGTGTCAA
 GCCAGATTCCTTAAATCGTCTGCAAGAAGACATGCAGTATATGGCTATGAGACAACAACCCATGCAA
 CAGAAAACAAGGTACAAGCCTATGCAGAAAAGTGGATGGGGTTGCAGATGGTTTCAGGAAAGTGGTCAAC
 AGACAGGCACATCTGTTGAGCAAAGTGAATTGCCAAAGCCAACATCATCAACAGTTTTTATAGTGCATC
 TCGAGCACTTCCAGAGTTTGGAGAAGTTGAAATCTCTTCTGCCAGATGGTACTACCTTTGAGGATATC
 AAGTCACTGCAGAGTCTTATAGAGAGCACTGTGAGGCAATATTGGACGTTGTTGTGAATCTTCAATTTA
 GCCTGATAGAAAAATTGTGGCAAACATTCTGGCGCTATTCTCCCTCACTCCAACATGATGGCACTACCAT
 TACCGAATCGAGGTCAGAATCAACATCTTTCCAATTCATTTTCATGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	1239 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001282117.2
RefSeq Size:	1543 bp
RefSeq ORF:	1242 bp
Locus ID:	5991
UniProt ID:	P48380
Cytogenetics:	9p24.2
Protein Families:	Transcription Factors
MW:	46.2 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, 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]