

## Product datasheet for **SC215217**

### **RFX5 (NM\_000449) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	RFX5 (NM_000449) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RFX5
ACCN:	NM_000449
Insert Size:	1576 bp



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**Insert Sequence:** >SC215217 3'UTR clone of NM\_000449  
 The sequence shown below is from the reference sequence of NM\_000449. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CATAAAGACCCAAAAGCAACACCCCAATGATACAGGCTGTGGGAAGAGTGTATATCCCTACGTTA
ACTTTGCCTAGTAGAGGCCCTTCTTTGCACTTGCTTCTCATTGGCTATTCTTTTCTAAGGAAGTCCA
TTCTCCTCTGTACAGACAGCTGAGTCACCCAGTCTACTTAGTACCTGGTTGCTGCCTCTGACCTTTTCA
GCTTGATACCCTGGGCTTTAGTGAACCAATAAATCTGTAGTGACCTTACCTGTATTCCCTGTGCTATC
CTGTGGGAAGGTAGGAATGGGCTAAGTATGATGAATATATAGGTTAGGGATCTTTTGGTTTTAAATCAC
AGAAAACCTAATTCAAACCTGGCTAAAAATAAAAGGATTTATTGGTTCATGAACTAGAAAGTCCATAG
GTAGTGCTGGCTCCAGGTGAAGACTTGACCCAGTAGTTCAGTATGTCTCTAAATACCGGACTGACTTTT
TTCTCACTGTTGCATCTTCTGTAGGACATTTAAGTCTGGCCACTTAATGGCTGCCAGCATTCTAAG
ATTACACTTTTCCCATTATGTCCAATCAGAAAAGAAGGCATCTTTGTACCAGAAATCTCAGCAAAA
GCCCTAATATTCACACTGATTAGGCCTGGGTACATGTCCACCCTGACCAATCACTGTGGCCAGGAGGA
TGATACATGCTAATTTGCTTATTCTATATCATGGACAACACCTTTGGGAAAAGGGTGGGGGTGACGCT
CCCCAAAATCACATGGATTCCCCAAGTGGAAACTAGGAGCAGGGAGTTGCTTGGGTGGCCGCTAACACC
AGGCTACTCTTATTTTAGCTTGTAAGTTGAGATCAGCTAGACCTGCTTTCTTTTCTCCTCAGTCTTGC
ATTTCCCTCAATAAAGCTGTAGCCTCTTCTCGTTTCTAGTCTCAGAAGGAAGGAGAGGGAAGCCAT
TCTCCTTAGGGACTCTTCAGTCTCATTAGATGATAGTCCCTTTTTTTTCTACCTCCATATTAGAGATG
GAGTCCTTCTTTTCTGTTTCTAATTTTTGTCTTCTCATTCTCCTCCCTCACCTATTGGCA
GTTCCACCAACTAGAGTGAAGACTTCCAGCCATTTTCATTAATCTATTCTGTATCCACCAGGTGGCA
GCATCTTGTACATCGTGTGAGGACTTAGGACTGCGGGTTTAGGTTAGATGTACGGAAAAGCTAGTT
CTGTGGTCAGGCGGCACCAATGAGAAAAGGAATGCAGACCCTCCAGATGTATCCTTGGGAAAAGCAGTAA
ACCAACTAATATTTATTGAAGACCTACTTTGCTCTACATAGGGTAGCTTCTGTGAGGGAATCTTGGT
TCTTCCCAAGAAACACTGATTTTCTTTCAGGGAGACTTCATGTGTTTATTTCACCACAGCAGAT
TTTAAGAAATTATAATATGTAATATTTGATATCTATAAAGAGTATATCTAACGTGAATAAATTATGAAG
CATACTAATGAGTACCTATGACCATAACACATATACATTAACATTTTAAATACCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-Mlul

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_000449.4](#)

**Summary:**

A lack of MHC-II expression results in a severe immunodeficiency syndrome called MHC-II deficiency, or the bare lymphocyte syndrome (BLS; MIM 209920). At least 4 complementation groups have been identified in B-cell lines established from patients with BLS. The molecular defects in complementation groups B, C, and D all lead to a deficiency in RFX, a nuclear protein complex that binds to the X box of MHC-II promoters. The lack of RFX binding activity in complementation group C results from mutations in the RFX5 gene encoding the 75-kD subunit of RFX (Steimle et al., 1995). RFX5 is the fifth member of the growing family of DNA-binding proteins sharing a novel and highly characteristic DNA-binding domain called the RFX motif. Multiple alternatively spliced transcript variants have been found but the full-length natures of only two have been determined. [provided by RefSeq, Jul 2008]

**Locus ID:**

5993

**MW:**

59