

Product datasheet for **RG209758**

RFX2 (NM_000635) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RFX2 (NM_000635) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RFX2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG209758 representing NM_000635
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGAATTCGAGGGTGGAGCGGATTGCCAGCGTCCGTGGCTCTGCGTCCCTCGGCGCAGCCCCGC
 CTGTGCCAGCCTCCCCGAGAGGGTGTGGTCCAGGCAGCCAGCTCCAATCCCAAAGGGGCCAGATGCA
 GCCGATCTCCCTCCCAGAGTTCAGCAGGTACCCAGCAGGTGCAGCCGGTGCAGCACGTGTATCTCGCC
 CAGGTGCAGTACGTGGAAGGGGAGACGCCGTCTACACCAATGGAGCCATACGAACAGCCTACACCTACA
 ACCCAGAGCCTCAGATGTACGCCCCAGCAGCAGCGTCTTACTTCGAGGCCCCAGGCGGTGCCAGGT
 GACCGTGGCAGCCTCGTCCCGCCAGCGGTCCCCTCCACAGCATGGTGGGCATCACCATGGATGTCGGG
 GGGAGCCCCATCGTCTCCAGCGCGGGAGCCTATCTCATCCAGGGGGGATGGACAGCACCAGACTCCC
 TGGCCACACCTCCCGCTCATCGCCGCCACGCTTGAAATGGCGATTGAAAACCTCCAAAAAGCGAAGG
 AATCACATCACACAAAAGCGTTTACTCAACAGCCATCTCCAGTGGCTGTTGGATAATTATGAAACAGCG
 GAAGGTGTGAGTCTCCACAGAAGTCTCTTTACAACACTACCTTCGGCACTGCCAGGAGACAAGCTAG
 ACCCAGTGAACGCCCGCTCCTTCGGGAAACTGATCCGTTCTGTGTTTATGGGGCTGAGAACGCCGGCGGT
 GGGCACCAGGGGCAACTCGAAGTACCATTACTATGGGATTCGTCTGAAGCCGGACTCACCACTGAACCGG
 CTGCAGGAGGACACGCAGTACATGGCCATGCAGCAGCAGCCATGCACCAGAAGCCAGGTACCGGCCAG
 CCCAGAAGACGGACAGCCTCGGGGACAGCGGCTCCCACAGCGGCTGCACAGCACTCCGGAACAGACCAT
 GGCCGTGCAGAGCCAGCACCACCAGCAGTACATAGATGTCTCCACGCTTCCCCGAGTTCACAGCGCC
 GACCTGGGAGCTTCTGCTGCAGGACGGCGTCACACTGCAGCAGCTCAAGGCCCTGCAGCTGGTGTACA
 GACGGCACTGCGAGGCAACTGTAGATGTGGTGTGAACCTCCAGTCCACTACATCGAGAAGCTGTGGCT
 CTCTTCTGGAACCTAAGGCCTCCTCCAGCGACGGCCCCACCTCTCTTCTGCCAGTGACGAAGACCCC
 GAGGGCGCGTCTGCCCCAAGGACAAGCTTATCTCCCTGTGTGAGTGCAGCCCCATCCTCAGGTGGATGA
 GGAGCTGCGACCACATCCTTACCAGGCGCTGGTGGAGATTCTCATCCCCGACGTGCTGAGGCCGGTCCC
 CAGTACCTTGACACAGGCCATCCGTAACCTTGGCAAGAGCTTGAAGGCTGGTTGACAAATGCCATGAGT
 GACTTCCCACAACAGGTATCCAGACCAAGGTGGGCGTGTGAGTGCCTTCGCCAGAGCTGCGGCGCT
 ACACGTCCCTCAACCACCTGGCGCAGGCGGCCCGGGCGGTGCTGCAGAACAGTCCAGATCAACCAGAT
 GCTCAGCGACCTCAACCGCTGGACTTTGCCAACGTGCAGGAGCAGGCCCTCGTGGGTGTGCCAGTCCGAG
 GAGAGTGTGGTGCAGCGCTGGAGCAGGATTTCAAGCTGACCCTGCAGCAGCAGAGCTCCCTGGACCAGT
 GGCCAGCTGGCTGGACAGTGTGGTCAACCAGGTCCTGAAGCAGCATGCCGGCAGCCCCAGCTTCCCCAA
 GGCCGCCCGCAGTTCTTGTGAAATGGTCTTTTACAGCTCCATGGTGTCCGGGACCTGACCTGCGC
 AGCGCTGCCAGCTTCGGCTCCTTCCACCTCATCCGCTGCTCTACGACGAGTACATGTTCTACCTGGTGG
 AGCACCAGCTCGCGGAGGCCACCGGAGAGACGCCGATCGTGTGATGGGAGAGTTCAACGATCTCGCCTC
 TCTGTGCTGACGCTGCTCGACAAAGATGACATGGGCGATGAGCAGCGTGGCAGCGAGGCCGGGCCAGAC
 GCCCGCAGCTGGGTGAGCCCCGGTAAAGCGGGAGCGCAGTGACCCCAACCACTCCCTGCAGGGCATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209758 representing NM_000635
Red=Cloning site Green=Tags(s)

MQNSEGGADSPASVALRPSAAAPPVPASPQRVLVQAASSNPKGAQMOPISLPRVQQVPPQQVQPVQHVYPA
 QVQYVEGGDAVYTNGAIRTAITYNPEPQMYAPSSASYFEAPGGAQVTVAAASSPPAVPSSHSMVGITMDVG
 GSPIVSSAGAYLIHGMDSTRHSLAHTSRSSPATLEMAIENLQKSEGITSHKSGLLNSHLQWLLDNYETA
 EGVSLHRSSLYNHYL RHCQEHLDPVNAASF GKLI RSVFMGLRTRRLGTRGNSKYHYYGIRLKPDSPLNR
 LQEDTQYAMMRQQPMHQKPRYPAPQKTDSLGDSGSHSGLHSTPEQTMAVQSQHHQQYIDVSHVFEFPAP
 DLGSFLLQDGVTLHDVKALQLVYRRHCEATVDVVMNLQFHVIEKWLWFSWNSKASSSDGPTSLPASDEDP
 EGAVLPKDKLISLQCQDPILRWMRSCDHILYQALVEILIPDVLRPVSTLTQAIRNFAKSLEGWLTNAMS
 DFPQQVIQTKVGVVSAFAQTLRRYTSLNHLAQAARAVLQNTSQINQMLS DLNRVDFANVQEASWVCQCE
 ESVVQRLEQDFKLTQQQSSLDQWASWLDVSVTVQLKQHAGSPSPFKAARQFLLKWSFYSSMVIDLTLR
 SAASFSGFHLIRLLYDEYMFYLVEHRVAEATGETPIAVMGEFNDLASLSLTLDDKDDMGDEQRGSEAGPD
 ARSLGEPLVKRERSDPNHSLQGI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_000635

ORF Size: 2169 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:

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_000635.2](#), [NP_000626.2](#)

RefSeq Size: 4015 bp

RefSeq ORF: 2172 bp

Locus ID: 5990

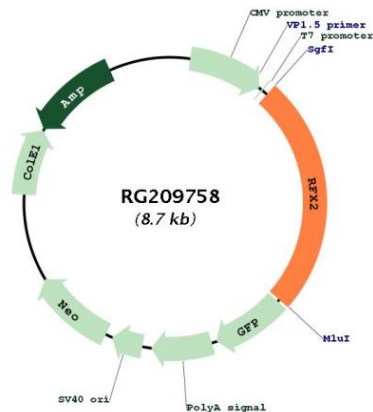
UniProt ID: [P48378](#)

Cytogenetics: 19p13.3

Protein Families: Druggable Genome, Transcription Factors

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, 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]

Product images:



Circular map for RG209758