

Product datasheet for **RG226831**

RFX8 (NM_001145664) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RFX8
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG226831 representing NM_001145664
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTATGAGATTTACGTGGAGACCTGTGGGCAAAACACTGAGAACCAAGTCAACCCGGCCACCTTTGGGA
AGTGTGAAGATCATTACCGATGAAGACAGACCCAGTTGGATCCCCTTTGTCTGAATTCAGGAGATGTCC
ATTTCTGGAGCAAGAACTGGCAAAGAAATACTCCTGTAATATGATGGCCTTCCTTGCTGACGAATACTGC
AACTATTGTGCGAGACATTTTACGAAATGTGGAGGACTTGCTTACTTCCTTCTGGAAGTCTCTGCAGCAAG
ACACAGTCATGCTGATGTCATTGCCTGACGTGTGCCAGCTCTTTAAATGCTACGACGTCCAGCTGTACAA
GGGAATTGAGGATGTTCTCCTTCATGACTTCTTGAAGATGTTTCTATTCACTACCTGAAATCTGTGCAG
TTATTTAGTAAGAAATTTAAGCTGTGGCTCCTTAATGCTTTGGAAGGTGTTCCAGCCCTCTTGCAGATCT
CCAAACTCAAAGAAGTTACTCTATTTGTCAAAAGACTAAGAAGAAAGACGTACCTTTCCAACATGGCTAA
GACTATGCGAATGGTATTGAAAAGTAAGAGGCGTGTGACGCTTTTGAAGTCAGATCTACAGGCCATCATC
AATCAAGGCACTTTGGCTACTTCTAAGAAAGCCCTGGCAAGTGACCGAGTGGCGCAGATGAAGTGGAGA
ACAACCCAGAGATGAAATGTTTAAAGAACTTAATTTCTTTGCTGGGAACATCAACAGATCTCAGGGTATT
CCTCAGCTGTCTGTCTTACATCTCCAAGCATTGTGTTCCAGACAAGCAGAAGCAAAGAAGAGTTTACC
AAATTGGCCGCGAGCTTCCAGCTGAGATGGAATCTTCTCTCACTGCTGTAAGCAAAGCCATGACCCCTCT
GCCACAGAGATAGTTTGGCTCCTGGCATCTGTTCACTTGTGCTTTTGAATATATGATTCATATACT
TCAGTCATGCCTAGAGGAGGAAGAGGAGGAGGAGGACATGGGACTGTCAAGGAAATGCTACCAGATGAC
CCGACTCTCGGCCAGCCAGACCAGGCACTTTTCCATTCTCTGAATTCCTCACTGTGCGAGGCGTGTGCCA
GCCCCAGCATGGAGCCACTGGGGGTGATGCCCACACATGGGCCAGGGCCGATATCCCGTGGGTGTGAG
CAACATGGTCTCAGGATCCTGGGCTTCTGGTGGACACTGCCATGGGCAATAAGCTCATCCAGGTGCTG
TTGGAAGATGAAACCACTGAAAGCGCAGTTAAACTCAGCCTTCCTATGGGACAAGAAGCCCTCATAACCC
TAAAGATGGACAACAATTTGTGATTCAGATATCAGATGTACCCCAAGCTCTGAAGATATTTATTTTCAG
AGAAAACAATGCTAATGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG226831 representing NM_001145664
Red=Cloning site Green=Tags(s)

MYEIIYVETCGQNTENQVNPATFGKCEDHSPMKTDVPVGSPLSEFRRCPFLEQELAKKYSCNMMAFLADEYC
NYCRDILRNVEDLLTSFWKSLQQDTVMLMSLPDVCQLFKCYDVQLYKGIEDVLLHDFLEDVSIQYLKSVQ
LFSKKFKLWLLNALEGPALLQISKLEVTLFVKRLRRKTYLSNMAKTMRMVLKSKRRVSVLKSDLQAI
NQGTLATSKKALASDRSGADELENNPEMKCLRNLI SLLGTSTDRLRVFLSCLSSHLQAFVFQTSRSKEEFT
KLAASFQLRWNLTLTAVSKAMTLCHRDSFGSWHLFHLLEMIHILQSCLEEEEEEDMGTVKEMPLDD
PTLGQPDQALFHSLSLSSQACASPSMEPLGVMPHMGQGRYPVGVSNMVLRIILGFLVDTAMGNKLIQVL
LEDETTESAVKLSLPMGQALITLKDGGQFVIQISDVPQSSEDIYFRENNANV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145664

ORF Size: 1419 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001145664.1](#), [NP_001139136.1](#)

RefSeq Size: 1729 bp

RefSeq ORF: 1422 bp

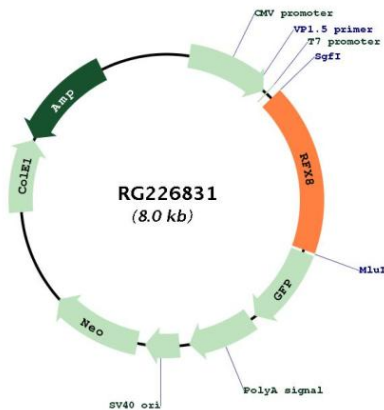
Locus ID: 731220

UniProt ID: [Q6ZV50](#)

Cytogenetics: 2q11.2

Gene Summary: May be a transcription factor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG226831