

Product datasheet for **RG212020**

FOXF2 (NM_001452) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXF2 (NM_001452) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOXF2
Synonyms:	FKHL6; FREAC-2; FREAC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG212020 representing NM_001452
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACCACCGAGGGCGGGCCGCCGCCGCCCGCTCCGCCGCGGTGCAGCCCGTCCCGGCGCGCTCC
 AGGCCGCCCTGATGAGCCGCGCCCGCCGCGCCGCCGCCGCCGCCCGCCGAGACCACCTCCTC
 TCCTCGTCGTCCTCCGCTCCTGCGCTCGTCCTCCTCCAATTCGCCAGCGCCCTCG
 GCTGCCTGCAAGAGCGGGCGCGCGCGGGGCGCCGGGAGCGGGGGCGCAAGAAGCGAGCTCGG
 GGCTGCGCGGCCGAGAAGCGCCCTACTCGTACATCGCGCTCATCGTCATGGCCATCCAGAGCTCGC
 CAGCAAGCGCTGACGCTCAGCGAGATCTACCAGTTCTCGAGGCGCGCTTCCCTTCTTCGCGGGCGC
 TACCAGGGCTGGAAGAACTCGGTGCGCCACAATCTCTCGTCAACGAGTGCTTCAAGCTGCCTAAGG
 GCCTCGGGCGGCCGGAAGGGCCACTACTGGACCATCGACCCGGCCAGCGAGTTATGTTTCGAGGAGGG
 CTGTTCCGCGCCGCGCGCGGCTTCCAGCGGAAGTCCAGGCGCTCAAGCCATGTACCACCGCGT
 GTGAGCGGCTTGGGCTTCGGGGCGTCTGCTGCTGCCCCAGGGCTTCGACTTCCAGGCGCCCGCTCGGCG
 CGCTCGGCTGCCACAGCCAGGGCGGCTACGGCGGCTCGACATGATGCCCGGGCTACGACGCCGGCG
 GGGCGCCCCAGCCACGCGCACCCTACACCACCACCACCACCACGTCCCGCACATGTCGCCAACCCG
 GGTTCCACCTACATGGCCAGTGCCCGGTGCCCGGGACCCGGGGCGTCCGGTGCAGCGGGGGCGGCG
 GCGGCGGCGACTACGGGCGGACAGCAGCAGCAGCCCGGTACCCTCGTCCCCGGCCATGGCGAGCGCCAT
 CGAATGCCACTCGCCCTACAGAGCCCTGCGGCGCACTGGAGCTCGCTGGCGCCTCGCCTTACCTCAAG
 CAGCCGCTGCCCTGACGCCAGCAGCAACCCCGCCCTCGGCAGGCTGCACTCCAGCATGTCTCTCT
 ACTCGCTGGAGCAGACTACTTGCACCAGAACGCTCGCGAGGACCTCTCAGTGGGACTGCCCGTTACCA
 GCATCACTCTACTCCAGTGTGTGACAGAAAAGATTTCTGCTCAACTTCAATGGGATTTCTTCTTCCAT
 CCCTCAGCTAGCGGGTCTATTATCACCATCACCACCAGAGCGTCTGTCCAGGATTAAGCCCTGCGTCA
 TG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG212020 representing NM_001452
 Red=Cloning site Green=Tags(s)

MTTEGGPPAPLRRACSPVPGALQAALMSPPPAAPETTSSTSSSSSSASCASSSSSSNSASAPS
 AACKSAGGGGAGAGSGGAKKASSGLRRPEKPPYSYIALIVMAIQSSPSKRLTLSEIYQFLQARFPFFRGA
 YQGWKNSVRHNLSLNECFIKLPKGLGRPGKGHYWTIDPASEFMFEEGSFRRRPRGFRRKQALKPMYHRV
 VSGLGFGASLLPQGFDFQAPPSAPLGCHSQGGYGGLDMMPAGYDAGAGAPSHAHPHHHHHHVPHMSPNP
 GSTYMASCPVAPGPGVGAAGGGGGDYGPDSSSSPVPSPAMASAIIECHSPYTPAAHWSPPGASPYLK
 QPPALTPSSNPAASAGLHSSMSSYSLEQSYLHQNAREDLVGLPRYQHHSTPVCDRDKDFVLFNFGISSFH
 PSASGSYYHHHQSVQCQDIKPCVM

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001452

ORF Size: 1332 bp

OTI Disclaimer: 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.

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).

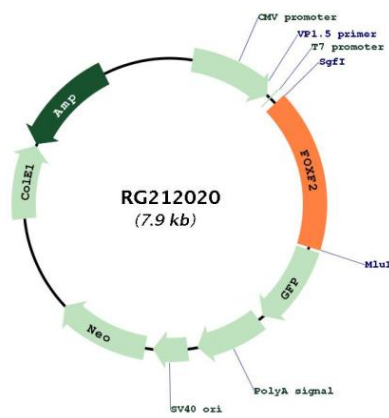
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_001452.2](#)

RefSeq Size: 2187 bp
 RefSeq ORF: 1335 bp
 Locus ID: 2295
 UniProt ID: [Q12947](#)
 Cytogenetics: 6p25.3

Gene Summary: FOXF2 encodes forkhead box F2, one of many human homologues of the *Drosophila melanogaster* transcription factor forkhead. FOXF2 is expressed in lung and placenta, and has been shown to transcriptionally activate several lung-specific genes. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG212020