

## Product datasheet for **RG208611**

### **FOXP4 (NM\_001012426) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FOXP4 (NM_001012426) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOXP4
Synonyms:	hFKHLA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG208611 representing NM\_001012426  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGTGAATCTGCCTCGGAGACAATCAGGTCGGCTCCATCTGGTCAGAATGGCGTGGGCAGCCTCT  
 CTGGGCAAGCAGATGGCAGCAGCGCGGGCCACAGGGACAACCTGCAAGTGGCACGGGCAGGGAAGTGAC  
 CACGGGTGCAGACAGCAATGGTGAGATGAGTCCCGCAGAGCTGCTGCACTTCCAGCAGCAACAGGCTCTC  
 CAAGTGGCCCGCAGTTCTGCTGCAGCAGGCCTCAGGCCTGAGCTCCCCAGGGAACAATGACAGCAAAC  
 AGTCTGCCTCTGCTGTGCAGGTGCCTGTGTCGGTGGCCATGATGTCGCCGAGATGCTTACCCCGCAACA  
 GATGCAGCAGATCCTGTCGCCCCCGCAGCTGCAGGCCTTGTCCAGCAGCAGCAAGCCCTCATGCTCCAG  
 CAGGAGTACTACAAGAAGCAGCAGGAGCAGCTCCACCTGCAGCTCCTCACCCAGCAGCAGGCTGGGAAAC  
 CGCAGCCCAAAGAGGCACTGGGGAACAAGCAGCTGGCCTTCCAGCAGCAGCTCCTGCAAAATGCAACAGTT  
 GCAGCAGCAGCACCTGCTCAACCTGCAGAGGCAGGGGCTGGTCAGCCTGCAGCCCAACCAAGCCTCGGGG  
 CCCTCCAGACCTTCCGCAAGCAGCTGTTTGCCCAACAGACCTGCCCCAGCTGTGGAAGGGCGAGGGTG  
 CCCCCGGGCAGCCTGCCGAGGACAGCGTCAAGCAGGAGGGGCTGGACCTCACTGGCACGGCCGCCACCGC  
 TACCTCGTTTGCCGCTCCCCCAAGGTCTCACCCCTCTCCCACCATACCTGCCCAACGGACAGCCT  
 ACTGTGCTCACATCTCGGAGAGACAGCTTCCACGAGGAGACCCCGGCTCCCACCCCTGTACGGAC  
 ACGGAGAGTGCAAGTGGCCAGGCTGTGAGACCTGTGTGAAGACCTGGGCCAGTTTATCAAACACCTCAA  
 CACAGAGCACGCCCTGGATGACCGGAGTACAGCCAGTCCCGGTACAGATGCAGGTGGTGCAGCAGCTG  
 GAGATCCAGCTCGCAAGGAGAGCGAGCGGCTGCAGGCCATGATGGCCACCTGCACATGCGGCCCTCGG  
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 TGCAGCAGACTCATTCCAGATGGTCTCGTGCACCCCGGACCTCGGCCGAGCCCTGTACCCCTCTA  
 CGGCCCTTGGCCTGGGCTCTGCCTCCCTGCATGGTGGGGGCCAGCCGTCGGAGAAGCAGTGACAAGT  
 TCTGCTCCCCATCTCCTCAGAGCTGGCCAGAATCATGAGTTCTACAAGAACGCCGACGTCCGGCCCCC  
 CTTACCTACGCCTCCCTCATCCGCCAGGCCATCCTGGAAACCCCTGACAGGCAGCTGACCTGAATGAG  
 ATCTATAACTGGTTCACCAGGATGTTGCTATTTCCGCAGAAACACTGCCACCTGGAAGAACGCCGTGC  
 GCCACAACCTCAGCCTGCACAAGTCTGTCGCGTGGAGAACGTCAAGGGTCCCGTGTGGACTGTGGA  
 CGAGCGGGAGTATCAGAAGCGGAGACCCCAAAGATGACAGGGAGCCCCACCTGGTGAAGAACATGATC  
 TCTGGCCTCAGCTATGGAGCACTTAATGCCAGCTACCAGGCCCTGGCCGAGAGCAGCTTCCCCCTCC  
 TCAACAGCCCTGGCATGCTGAACCTGGTCCGCCAGCAGCCTGCTGCCCTCAGCCACGATGACGTGGG  
 TGCCCCGTGGAGCCGCTGCCAGCAACGGCAGCAGCAGCCCTCCTCGCCTCTCCCCGCCCCAGTACAGC  
 CACCAGGTGCAGGTGAAGGAGGAGCCAGCAGAGGCAGAGGAAGACAGGCAGCCCGGGCCTCCCCTGGGCG  
 CCCCTAACCCAGCGCTCGGGGCTCCGGAAGACAGGGACCTGGAGGAGGAGCTGCCGGGAGAAGAACT  
 GTCC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG208611 representing NM\_001012426  
 Red=Cloning site Green=Tags(s)

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MMVESASETIRSAPSGQNGVGSLSGQADGSSGGATGTTASGTGREVTTGADSNNGEMSPAELLHFQQQAL
QVARQFLLQQASGLSSPGNNDKQASASAVQVPVSVAMMSPQMLTPQQMQQILSPPQLQALLQQQQALMLQ
QEYYKKQEQELHLQLLTQQQAGKPPKEALGNKQLAFQQQLLQMQLQQQHLLNLQRQLVSLQPNQASG
PLQTLPQAAVCPDLPQLWKGEGAPGQPAEDSVKQEGLDLTGTAATATSF AAPPKVSPPLSHHTLPNGQP
TVLTSRRDSSSHEETPGSHPLYGHGECKWPGCETLCELDLGTAAATATSF AAPPKVSPPLSHHTLPNGQP
EIQLAKESERLQAMMAHLHMRPSEPFPKFSQPLNPVPGSSSF SKVTVSAADSFPDGLVHPPTSAAAPVTPL
RPPGLGSASLHGGGPARRRSSDKFCSPISSELAQNHEFYKNADV RPPFTYASLIRQAILET PDRQLTLNE
IYNWFTRMFAYFRRNTATWKNVVRHNL SLHKCFVRVENVKGAVWTVDEREYQRRPPKMTGSPTLVK NMI
SGLSYGALNASYQAALAESSFPLLNSPGMLNPGSASSLLPLSHDDV GAVPEPLPSNGSSSPRLSPPQYS
HQVQVKEEPAEAEEDRQPGPPLGAPNPSASGPPEDRDLEEELPGEELS
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:**

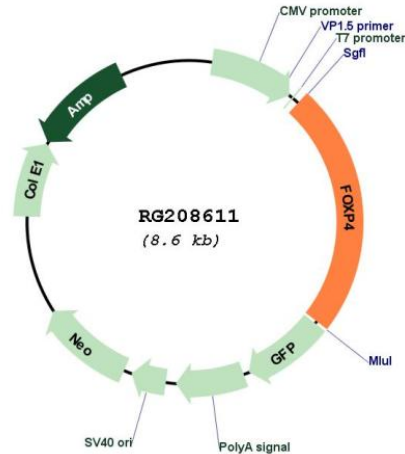
Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



## Plasmid Map:



ACCN: NM\_001012426

ORF Size: 2040 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\\_001012426.1](#), [NP\\_001012426.1](#)

RefSeq Size: 5965 bp

RefSeq ORF: 2043 bp

Locus ID: 116113

UniProt ID: [Q8IVH2](#)

Cytogenetics: 6p21.1

Protein Families: Transcription Factors

**Gene Summary:** This gene belongs to subfamily P of the forkhead box (FOX) transcription factor family. Forkhead box transcription factors play important roles in the regulation of tissue- and cell type-specific gene transcription during both development and adulthood. Many members of the forkhead box gene family, including members of subfamily P, have roles in mammalian oncogenesis. This gene may play a role in the development of tumors of the kidney and larynx. Alternative splicing of this gene produces multiple transcript variants, some encoding different isoforms. [provided by RefSeq, Jul 2008]