

## Product datasheet for **RG208077**

### **FOXP4 (NM\_138457) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FOXP4 (NM_138457) 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:

>RG208077 representing NM\_138457  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGATGGTGAATCTGCCTCGGAGACAATCAGGTCGGCTCCATCTGGTCAGAATGGCGTGGGCAGCCTCT  
CTGGGCAAGCCGATGGCAGCAGCGCGGGCCACAGGGACAACGCAAGTGGCACGGGCAGGGAAGTGAC  
CACGGGTGCAGACAGCAATGGTGAAGATGAGTCCCGCAGAGCTGCTGCACTTCCAGCAGCAACAGGCTCTC  
CAAGTGGCCCGCAGTTCCTGCTGCAGCAGGCCTCAGGCCTGAGCTCCCCAGGGAACAATGACAGCAAAC  
AGTCTGCCTCTGCTGTGCAGGTGCCTGTGTCGGTGGCCATGATGTCGCCGCAGATGCTTACCCCGCAACA  
GATGCAGCAGATCCTGTCGCCCCCGCAGCTGCAGGCCTTGTCCAGCAGCAGCAAGCCCTCATGCTCCAG  
CAGCTACAGGAGTACTACAAGAAGCAGCAGGAGCAGCTCCACCTGCAGCTCCTCACCCAGCAGCAGGCTG  
GGAAACCCGAGCCAAAGAGGCACTGGGGAACAAGCAGCTGGCCTTCCAGCAGCAGCTCCTGCAAAATGCA  
ACAGTTGCAGCAGCAGCAGCTGCTCAACCTGCAGAGGCAGGGGCTGGTCAAGCCTGCAGCCCAACCAAGCC  
TCGGGGGCCCTCCAGACCCTTCCGCAAGCTGTTTGCCCAACAGACCTGCCCCAGCTGTGGAAGGGGCGAGG  
GTGCCCCCGGGCAGCCTGCCGAGGACAGCGTCAAGCAGGAGGGGCTGGACCTCACTGGCACGGCCGCCAC  
CGCTACCTCGTTTCCCGCTCCCCCAAGGTCTCACCCCCCTCTCCACCATACCCTGCCCAACGGACAG  
CCTACTGTGCTCACATCTCGGAGAGACAGCTTCCCACGAGGAGACCCCGGCTCCCACCCCTGTACG  
GACACGGAGAGTGCAAGTGGCCAGGCTGTGAGACCCTGTGTAAGACCTGGGCCAGTTTATCAAACACCT  
CAACACAGAGCACGCCCTGGATGACCGGAGTACAGCCAGTGCAGGATGAGTGGCCACCTGCACATGCGGCCCT  
CTGGAGATCCAGCTCGCCAAGGAGAGCGAGCGGCTGCAGGCCATGATGGCCACCTGCACATGCGGCCCT  
CGGAGCCCAAGCCCTTCCAGCCAGCCAGTACCGTCTCTGCAGCAGACTCATTCCAGATGGTCTCGTGCA  
CCCCCGACCTCGGCCGAGCCCTGTACCCCTTACGGCCCTTGGCCTGGGCTCTGCCTCCCTGCAT  
GGTGGGGGCCAGCCGTCGGAGAAGCAGTGAAGTTCTGCTCCCCATCTCCTCAGAGCTGGCCAGCA  
ATCATGAGTTCTACAAGAAGCCGACGTCGGGCCCCCTTACCTACGCCTCCCTCATCCGCCAGGCCAT  
CCTGGAACCCCTGACAGGCAGCTGACCCTGAATGAGATCTATAACTGGTTCACCAGGATGTTTCGCTAT  
TTCCGAGAAACACTGCCACCTGGAAGAAGCCGTCGCCACAACCTCAGCCTGCACAAGTGCTTCGTCC  
GCGTGGAGAACGTCAGGGTGGCGTGTGGACTGTGGACGAGCGGGAGTATCAGAAGCGGAGACCGCCAAA  
GATGACAGGGAGCCCCACCTGGTGAAGAATGATCTCTGGCCTCAGCTATGGAGCACTAATGCCAGC  
TACCAGGCCGCCCTGGCCGAGAGCAGCTTCCCCCTCCTAACAGCCCTGGCATGCTGAACCTGGCTCCG  
CCAGCAGCCTGCTGCCCCCAGCCACGATGACGTGGGTGCCCGTGGAGCCGCTGCCAGCAACGGCAG  
CAGCAGCCCTCCTCGCCTCTCCCCGCCAGTACAGCCACCAGGTGCAGGTGAAGGAGGACCCAGCAGAG  
GCAGAGGAAGACAGGCAGCCCGGGCCTCCCCTGGGCGCCCTAACCCAGCGCCTCGGGGCTCCGGAAG  
ACAGGGACCTGGAGGAGGAGTCCCGGAGAAGAAGTGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG208077 representing NM\_138457  
 Red=Cloning site Green=Tags(s)

MMVESASETIRSAPSGQNGVGSLSGQADGSSGGATGTTASGTGREVTTGADSNNGEMSPAELLHFQQQAL  
 QVARQFLLQQASGLSSPGNNDKQASASAVQVPVSVAMMSPQMLTPQQMQQILSPPQLQALLQQQQALMLQ  
 QLQEYYKKQQEQLHLQLLTQQQAGKQPKEALGNKQLAFQQQLLQMQQLQQHLLNLQRQLVSLQPNQA  
 SGPLQTLPQAVCPDLPQLWKGEAGPQPAEDSVKQEGLDLTGTAAATATSAAPPKVSPPLSHHTLPNGQ  
 PTVLTSRRDSSSHEETPGSHPLYGHGECKWPGCETLCEDLGQFIKHLNTEHALDDRSTAQCRVQMQVVQQ  
 LEIQLAKESERLQAMMAHLHMRPSEPKPFSQPVTYSAADSFDPGLVHPPTSAAPVTPLRPPGLGSASLH  
 GGGPARRRSSDKFCSPISSELAQNHEFYKNADVRPPFTYASLIRQAILETPDRQLTLNEIYNWFTRMFAY  
 FRRNTATWKNVHRHLSLHKCFVRVENVKGAVWTVDEREYQKRRPPKMTGSPTLVKNMISGLSYGALNAS  
 YQAAALAESSFLLNSPGMLNPGSASSLLPLSHDDVGAPVEPLPSNGSSPPRLSPPQYSHQVQVKEEPAE  
 AEEDRQPGPPLGAPNPSASGPPEDRDLEEELPGEELS

TRTRPLE - GFP Tag - V

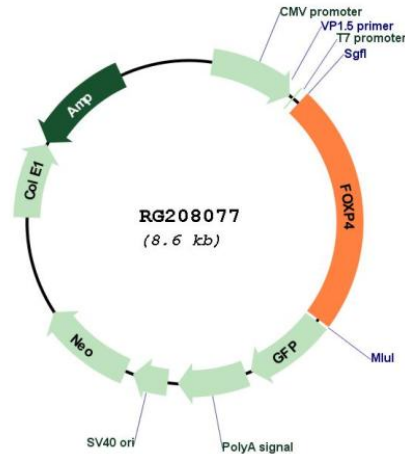
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**


**ACCN:** NM\_138457

**ORF Size:** 2001 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\\_138457.3](#)

RefSeq Size: 5926 bp

RefSeq ORF: 2004 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]