

## Product datasheet for **RC208077**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FOXP4 (NM_138457) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FOXP4
Synonyms:	hFKHLA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC208077 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGATGGTGAATCTGCCTCGGAGACAATCAGGTCGGCTCCATCTGGTCAGAATGGCGTGGGCAGCCTCT  
CTGGGCAAGCCGATGGCAGCAGCGGGGCCACAGGGACAACCTGCAAGTGGCACGGGCAGGGAAGTGAC  
CACGGGTGCAGACAGCAATGGTGAAGATGAGTCCCGCAGAGCTGCTGCACTTCCAGCAGCAACAGGCTCTC  
CAAGTGGCCCGCAGTTCCTGCTGCAGCAGGCCTCAGGCCTGAGCTCCCCAGGGAACAATGACAGCAAAC  
AGTCTGCCTCTGCTGTGCAGGTGCCTGTGTCGGTGGCCATGATGTCGCCGCAGATGCTTACCCCGCAACA  
GATGCAGCAGATCCTGTCGCCCCCGCAGCTGCAGGCCTTGTCCAGCAGCAGCAAGCCCTCATGCTCCAG  
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TCGGGGGCCCTCCAGACCCTTCCGCAAGCTGTTTGCCCAACAGACCTGCCCCAGCTGTGGAAGGGGCGAGG  
GTGCCCCCGGGCAGCCTGCCGAGGACAGCGTCAAGCAGGAGGGGCTGGACCTCACTGGCAGCGCCGCCAC  
CGCTACCTCGTTTCCCGCTCCCCCAAGGTCTCACCCCCCTCTCCACCATACCCTGCCAACGGGACAG  
CCTACTGTGCTCACATCTCGGAGAGACAGCTTCCCACGAGGAGACCCCGGCTCCCACCCCTGTACG  
GACACGGAGAGTGCAAGTGGCCAGGCTGTGAGACCCTGTGTAAGACCTGGGCCAGTTTATCAAACACCT  
CAACACAGAGCACGCCCTGGATGACCGGAGTACAGCCAGTGGCCGATACAGATGCAGGTGGTGCAGCAG  
CTGGAGATCCAGCTCGCCAAGGAGAGCGAGCGGCTGCAGGCCATGATGGCCACCTGCACATGCGGCCCT  
CGGAGCCCAAGCCCTTCCAGCCAGCCAGTACCCGCTCTGCAGCAGACTCATTCCAGATGGTCTCGTGCA  
CCCCCGACCTCGGCCGAGCCCTGTACCCCTTACGGCCCTTGGCCGAGGCTCTGCCTCCCTGCAT  
GGTGGGGGCCAGCCGTCGGAGAAGCAGTGACAAGTTCTGCTCCCCATCTCCTCAGAGCTGGCCAGA  
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CCTGGAACCCCTGACAGGCAGCTGACCCTGAATGAGATCTATAACTGGTTCACCAGGATGTTCCGCTAT  
TTCCGCAGAAACTGCCACCTGGAAGAAGCCGTGCGCCACAACCTCAGCCTGCACAAGTGCTTCGTCC  
GCGTGGAGAACGTCAGGGTGGCGTGTGGACTGTGGACGAGCGGGAGTATCAGAAGCGGAGACCGCCAAA  
GATGACAGGGAGCCCAACCTGGTGAAGAATGATCTCTGGCCTCAGCTATGGAGCACTAATGCCAGC  
TACCAGGCCGCCCTGGCCGAGAGCAGCTTCCCCCTCCTCAACAGCCCTGGCATGTGAACCTGGCTCCG  
CCAGCAGCCTGCTGCCCCCAGCCACGATGACGTGGGTGCCCCCGTGGAGCCGCTGCCAGCAACGGCAG  
CAGCAGCCCTCCTCGCCTCTCCCCGCCAGTACAGCCACCAGGTGCAGGTGAAGGAGGACCCAGCAGAG  
GCAGAGGAAGACAGGCAGCCCGGCCCTCCCTGGGCGCCCTAACCCAGCGCCTCGGGGCTCCGGAAG  
ACAGGGACCTGGAGGAGGAGTCCGGGAGAAGAAGTGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC208077 protein sequence  
Red=Cloning site Green=Tags(s)

```
MMVESASETIRSAPSGQNGVGSLSGQADGSSGGATGTTASGTGREVTTGADSNEMSPAELLHFQQQAL
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QLQEYYKKQQEQLHLQLLTQQQAGKQPQKEALGNKQLAFQQQLLQMQQLQQHLLNLQRQGLVSLQPNQA
SGPLQTLPPQAVCPTDLPQLWKGEAGPQPAEDSVKQEGLDLTGTAATATSFAAPPKVSPPLSHHTLPNGQ
PTVLTSSRDSSSHEETPGSHPLYGHGECKWPGCETLCEDLGQFIKHLNTEHALDDRSTAQCRVQMVVQQ
LEIQLAKESERLQAMMAHLHMRPSEPFPFSQPVTYSAADSFDPGLVHPPTAAAAPVTPLRPPGLGSASLH
GGGPARRRSSDKFCSPISSELAQNHEFYKNADVRPPFTYASLIRQAILETPDRQLTLNEIYNWFTRMFAY
FRRNTATWKNVVRHNLHLKCFVRVENVKAVVTVDEREYQKRRPPKMTGSPTLVKNMISGLSYGALNAS
YQAALAESSFPLLNSPGMLNPGSASSLLPLSHDDVGAPVEPLPSNGSSPPRLSPPQYSHQVQVKEEPAE
AEEDRQPGPPLGAPNPSASGPPEDRDLEEELPGEELS
```

TRTRPLEQKLISEEDLANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6693\\_b01.zip](https://cdn.origene.com/chromatograms/mk6693_b01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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](#)

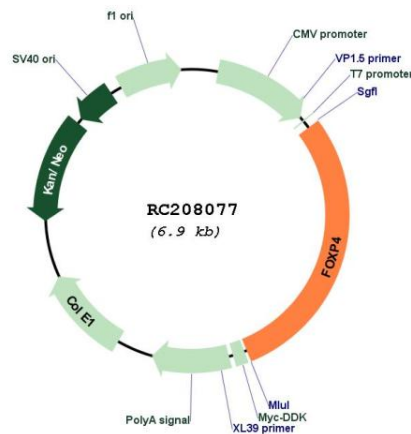
**Cytogenetics:** 6p21.1

**Protein Families:** Transcription Factors

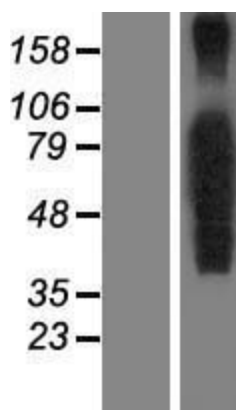
**MW:** 72.2 kDa

**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]

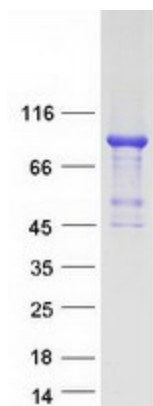
### Product images:



Circular map for RC208077



Western blot validation of overexpression lysate (Cat# [LY408607]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208077 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FOXP4 protein (Cat# [TP308077]). The protein was produced from HEK293T cells transfected with FOXP4 cDNA clone (Cat# RC208077) using MegaTran 2.0 (Cat# [TT210002]).