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Product datasheet for SC322624

FOXP4 (NM_138457) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXP4 (NM_138457) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXP4
Synonyms:	hFKHLA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for SC322624
GCCGTCCCTGCGGACCGGACAGTGCGGCCGGCGGCCGGCGGCCGGGACGGAGCCCCCAGC
CCGCGAGGAGGGCGCGGCGCAGGCGGCGGCGGCGCGGCGGGGAGGAGCCCGGGCCGGAAC
CAGGGCTGGGCCGGGGGCGGGGACGCCGGGGTCCGGGAGCCCGGGAGCCGGAGCGAGCTG
ACGAGCGTCGCGGAAGGACCGGGAAGGAAGAGCGGAGCCGGAGCGAGCCAAGCAGCCCAC
AAAGTGCCATGCCCCGGCGGGGTTGAGGCGCGCGGCGGTCGGCCCGGCGCGCTGGGAGGA
CGCCCGGGAGCTGCGCGACGCGGGGCGGCGCGGAAGGGCAGCCCCGGCGGGCGGCGGCGG
GCCCGGGCTGCGACCGGAGCGAGCCCCATGCCCCGCGCGGGCTGACGGGCCGGAGCCCGC
ACGGAGCGGCCGGGCGGGACAGGTACCGCTAGAGCGACATGATGGTGGAATCTGCCTCGG
AGACAATCAGGTCGGCTCCATCTGGTCAGAATGGCGTGGGCAGCCTCTCTGGGCAAGCCG
ATGGCAGCAGCGGCGGGGCCACAGGGACAACTGCAAGTGGCACGGGCAGGGAAGTGACCA
CGGGTGCAGACAGCAATGGTGAGATGAGTCCCGCAGAGCTGCTGCACTTCCAGCAGCAAC
AGGCTCTCCAAGTGGCCCGGCAGTTCCTGCTGCAGCAGGCCTCAGGCCTGAGCTCCCCAG
GGAACAATGACAGCAAACAGTCTGCCTCTGCTGTGCAGGTGCCTGTGTCGGTGGCCATGA
TGTCGCCGCAGATGCTTACCCCGCAACAGATGCAGCAGATCCTGTCGCCCCCGCAGCTGC
AGGCCTTGCTCCAGCAGCAGCAAGCCCTCATGCTCCAGCAGCTACAGGAGTACTACAAGA
AGCAGCAGGAGCAGCTCCACCTGCAGCTCCTCACCCAGCAGCAGGCTGGGAAACCGCAGC
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AGTTGCAGCAGCAGCACCTGCTCAACCTGCAGAGGCAGGGGCTGGTCAGCCTGCAGCCCA
ACCAAGCCTCGGGGCCCCTCCAGACCCTTCCGCAAGCTGTTTGCCCAACAGACCTGCCCC
AGCTGTGGAAGGGCGAGGGTGCCCCCGGGCAGCCTGCCGAGGACAGCGTCAAGCAGGAGG
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CACCCCCCCTCTCCCACCATACCCTGCCCAACGGACAGCCTACTGTGCTCACATCTCGGA
GAGACAGCTCTTCCCACGAGGAGACCCCCGGCTCCCACCCCCTGTACGGACACGGAGAGT
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ACACAGAGCACGCCCTGGATGACCGGAGTACAGCCCAGTGCCGGGTACAGATGCAGGTGG
TGCAGCAGCTGGAGATCCAGCTCGCCAAGGAGAGCGAGCGGCTGCAGGCCATGATGGCCC

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ACCTGCACATGCGGCCCTCGGAGCCCAAGCCCTTCAGCCAGCCAGTGACCGTCTCTGCAG
CAGACTCATTCCCAGATGGTCTCGTGCACCCCCCGACCTCGGCCGCAGCCCCTGTCACCC
CTCTACGGCCCCCTGGCCTGGGCTCTGCCTCCCTGCATGGTGGGGGCCCAGCCCGTCGGA
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ACAAGAACGCCGACGTCCGGCCCCCCTTCACCTACGCCTCCCTCATCCGCCAGGCCATCC
TGGAAACCCCTGACAGGCAGCTGACCCTGAATGAGATCTATAACTGGTTCACCAGGATGT
TCGCCTATTTCCGCAGAAACACTGCCACCTGGAAGAACGCCGTGCGCCACAACCTCAGCC
TGCACAAGTGCTTCGTCCGCGTGGAGAACGTCAAGGGTGCCGTGTGGACTGTGGACGAGC
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GCAGCTTCCCCCTCCTCAACAGCCCTGGCATGCTGAACCCTGGCTCCGCCAGCAGCCTGC
TGCCCCTCAGCCACGATGACGTGGGTGCCCCCGTGGAGCCGCTGCCCAGCAACGGCAGCA
GCAGCCCTCCTCGCCTCTCCCCGCCCCAGTACAGCCACCAGGTGCAGGTGAAGGAGGAGC
CAGCAGAGGCAGAGGAAGACAGGCAGCCCGGGCCTCCCCTGGGCGCCCCTAACCCCAGCG
CCTCGGGGCCTCCGGAAGACAGGGACCTGGAGGAGGAGCTGCCGGGAGAAGAACTGTCCT
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CTGGCCAGAGGCCCCCACTTTCCTAACTCGTGCTCCCTTCCGCCTTCTTTTCCGTACTGT
GAAGAAAGAACTCTCCACCCCAGCTCCCACCCTGCCCTGGCCTGGGTGGAGGAACTGTGC
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AGTTTACAGTGTCTGTTGGTGGCCAAGACCTTCTCTCTCCACCCCTCCTCCATCCACCCT
GAGGACCCTGGGGCTCAGTGGAGGCAGGGCCCTGCCCCCCTCCCTTCCGCTCCTGCCCAG
CCTGGGGGAAGGAGAAAGGAGGGGAGAAAGCGGGCTCTCACCCCCTCAGGAGTGGGCACG
GGAGCCCTTCTCCCTGACCCTGGGCTGCTTCCTGGGGGCTCTCCAGACCCCTCTCTAGGA
CCAAGTCACCCGTCGTGCTGGGAGTGTGGATTCTAGCAAAAGAGCTGGAAAAAAGTCAGA
CTCTCCACAGACCCCCTATGGGGGACCCCCAACTCAAGGCCAAGGACTGGGCGTATCGGA
TGCTCATAACACCCCTGGCCTGGCCCCTTTACTGAGAAGACTCCTTGGATATTTCCCAAG
AACCCCCCACATACACCCCTCACAAGCCACCCCTCCTGAGAGGCAGGGGGCCCTCCGCCC
CCTCCCCATGTATTCCCCACCTGTGTTCCGTTTGACCAGCACAGAAATATTAAACGTCCT
CTATTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_138457

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_138457.2, NP_612466.1
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] Transcript Variant: This variant (2) uses several alternate in-frame splice sites in the coding region, compared to variant 1, resulting in a shorter protein (isoform 2).