

## Product datasheet for **SC310403**

### FOXP3 (NM\_014009) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FOXP3 (NM_014009) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXP3
Synonyms:	AIID; DIETER; IPEX; JM2; PIDX; XPID
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_014009 edited  
 ATGCCCAACCCAGGCCTGGCAAGCCCTCGGCCCTTCCTTGGCCCTTGGCCATCCCCA  
 GGAGCCTCGCCAGCTGGAGGGCTGCACCCAAAGCCTCAGACCTGCTGGGGGCCGGGGC  
 CCAGGGGGAACCTTCCAGGGCCGAGATCTTCGAGGCGGGGCCCATGCCTCCTCTTCTTCC  
 TTGAACCCCATGCCACCATCGCAGCTGCAGCTGCCACACTGCCCTAGTCATGGTGGA  
 CCCTCCGGGGCACGGCTGGGCCCTTGCCCACTTACAGGCACTCCTCCAGGACAGGCCA  
 CATTTCATGCACCAGCTCTCAACGGTGGATGCCACGCCCGGACCCCTGTGCTGCAGGTG  
 CACCCCTGGAGAGCCCAGCCATGATCAGCCTCACACCACCACCACCGCCACTGGGGTC  
 TTCTCCCTCAAGGCCCGCCTGGCCTCCACCTGGGATCAACGTGGCCAGCCTGGAATGG  
 GTGTCCAGGGAGCCGGCACTGCTCTGCACCTTCCCAAATCCCAGTGCACCAGGAAGGAC  
 AGCACCCCTTTCGGCTGTGCCCCAGAGCTCCTACCCACTGCTGGCAAATGGTGTCTGCAAG  
 TGGCCCGATGTGAGAAGGTCTTCGAAGAGCCAGAGGACTTCTCAAGCACTGCCAGGCG  
 GACCATCTTCTGGATGAGAAGGGCAGGGCACAATGTCTCCTCCAGAGAGAGATGGTACAG  
 TCTCTGGAGCAGCAGCTGGTGTGGAGAAGGAGAAGCTGAGTGCCATGCAGGCCACCTG  
 GCTGGGAAAATGGCACTGACCAAGGCTTCATCTGTGGCATCATCCGACAAGGGCTCCTGC  
 TGCATCGTAGCTGCTGGCAGCCAAGGCCCTGTCGTCCCAGCCTGGTCTGGCCCCGGGAG  
 GCCCTGACAGCCTGTTTGTGTCCGGAGGCACCTGTGGGGTAGCCATGGAAACAGCACA  
 TTCCCAGATTCCTCCACAACATGGACTACTTCAAGTTCACAACATGCGACCCCTTTC  
 ACCTAGCCACGCTCATCCGCTGGGCCATCCTGGAGGCTCCAGAGAAGCAGCGGACACTC  
 AATGAGATCTACCACTGGTTTACACGCATGTTTGCCTTCTCAGAAACCATCCTGCCACC  
 TGAAGAAGCCATCCGCCACAACCTGAGTCTGCACAAGTGCTTTGTGCGGGTGGAGAGC  
 GAGAAGGGGGCTGTGTGGACCGTGGATGAGCTGGAGTCCGCAAGAAACGGAGCCAGAGG  
 CCCAGCAGGTGTTCCAACCCTACACCTGGCCCCTGA



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_014009 unedited  TACCGTGTTCCTTCTCGGTATAAAAGCAAAGTTGTTTTGATACGTGACAGTTTCCCA  CAAGCCAGGCTGATCCTTTTCTGTGTCAGTCCACTTACCAAGCCTGCCCTTGGACAAGGAC  CCGATGCCCAACCCAGGCTGGCAAGCCCTCGGCCCTTCTTGGCCCTTGGCCATCC  CCAGGAGCCTCGCCAGCTGGAGGGCTGCACCCAAAGCCTCAGACCTGCTGGGGCCCGG  GGCCCAGGGGAACTTCCAGGGCCGAGATCTTCGAGGCGGGCCCATGCCTCCTTCT  TCCTTGAACCCCATGCCACCATCGCAGCTGCAGCTGCCACACTGCCCTAGTCATGGTG  GCACCCTCGGGGCACGGCTGGGCCCTTGCCCACTTACAGGCACTCCTCCAGGACAGG  CCACATTCATGCACCAGCTCTCAACGGTGGATGCCACGCCCGACCCCTGTGCTGCAG  GTGCACCCCTGGAGAGCCAGCCATGATCAGCCTCACACCACCACCACCGCCACTGGG  GTCTTCTCCCTCAAGGCCGGCCTGGCCTCCACCTGGGATCAACGTGGCCAGCCTGGAA  TGGGTGTCCAGGAGCCGGCACTGCTCTGCACCTCCCAAATCCCAGTGCACCCAGGAAG  GACAGCACCTTTTCGGCTGTGCCCCAGAGCTCCTACCCACTGCTGGCAAATGGTGTCTGC  AAGTGGCCCGGATGTGAGAATGTCTTCGAAGAGCCAGAGGACTTCTCAAGCACTGCCAG  GCGGACCATCTTCTGGATGAGATGGCAGGCACATGTCTCTCCAGAGAGAGATGGTACAG  TCTCTGAGCAGCAGCTGGTGCTGGAGAGAGAGCTGATGCCATGCAGCCACCTGTGGGA  AATGGCACTGACCAAGGCTTCATCTGTGGCATCATCCGACAA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;Forward primer walk for NM_014009 unedited  TGATCTCCGCAGGGCTCTGCTGCATCGTAGCTGCTGGCAGCCAAGGCCCTGTCGTCCCA  GCCTGGTCTGGCCCCGGGAGGCCCTGACAGCCTGTTTGCTGTCCGGAGGCACCTGTGG  GGTAGCCATGGAAACAGCACATTCCCAGAGTTCCTCCACAACATGGACTACTTCAAGTTC  CACAACATGCGACCCCTTTACCTACGCCACGCTCATCCGCTGGGCCATCCTGGAGGCT  CCAGAGAAGCAGCGGACACTCAATGAGATCTACCACTGGTTCACACGCATGTTTGCCTTC  TTCAGAAACCATCCTGCCACCTGGAAGAAGCCATCCGCCACAACCTGAGTCTGCACAAG  TGCTTTGTGCGGGTGGAGAGCGAGAAGGGGGCTGTGTGGACCGTGGATGAGCTGGAGTTC  CGCAAGAAACGGAGCCAGAGGCCAGCAGGTGTTCCAACCTACACCTGGCCCCTGACCT  CAAGATCAAGGAAAGGAGGATGGACGAACAGGGGCCAAACTGGTGGGAGGCAGAGGTGGT  GGGGCAGGGATGATAGGCCCTGGATGTGCCACAGGGACCAAGAAGTGAAGTTTCCACT  GTCTTGCCTGCCAGGGCCCTGTTCCCCCGCTGGCAGCCACCCCTCCCCATCATATCC  TTTGCCCCCAAGGCTGCTCAGAGGGGGCCCGGTCTGGCCCCAGCCCCACCTCCGCCCC  AGACACACCCCCAGTCCAGCCCTGCAGCCAAACAGAGCCTTCAACAACCAGCCACACAGA  GCCTGCCTCAGCTGCTCGCACAGATTACTTCAGGGCTGGGAAAAGTCACACAGACACACA  AAATGTACAATCCTGTCCCTCACTCAACACAAACCCCAAAACACAGAGCCTGCCTCA  GTACACTCAAACAACCTCAAAGCTGCATCATCACCACAT</p>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_014009
<b>Insert Size:</b>	3300 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<b>Components:</b>	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\\_014009.2](#), [NP\\_054728.2](#)

**RefSeq Size:** 1869 bp

**RefSeq ORF:** 1296 bp

**Locus ID:** 50943

**UniProt ID:** [Q9BZS1](#)

**Cytogenetics:** Xp11.23

**Protein Families:** Transcription Factors

**Gene Summary:** The protein encoded by this gene is a member of the forkhead/winged-helix family of transcriptional regulators. Defects in this gene are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX), also known as X-linked autoimmunity-immunodeficiency syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (1) represents the longer transcript, and encodes the longer isoform (a).