

Product datasheet for **SC332091**

FOXP1 (NM_001244810) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXP1 (NM_001244810) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXP1
Synonyms:	12CC4; hFKH1B; HSPC215; MFH; QRF1
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332091 representing NM_001244810.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATGCAAGAATCTGGGACTGAGACAAAAAGTAACGGTTCAGCCATCCAGAATGGGTGGGCGGCAGC
AACCCTTACTAGAGTGGCGGTCTTCGGGAGGGCGGTCCAACGGAGAGACGCCGGCCGTGGACATC
GGGGCAGCTGACCTCGCCACGCCAGCAGCAGCAACAGGCCACTTCAGGTGGCAAGACAGCTCCTT
CTTCAGCAGCAACAGCAGCAGCAAGTTAGTGGATTAATACTCCCAAGAGGAATGACAAACAACCCAGCT
CTTCAGGTTCCCGTGTACGTGGCTATGATGACACCTCAAGTTATCACTCCCAGCAAATGCAGCAGATC
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CAGCCCGGCAGCCTGCCCTTCCCCTTCAACCTTTGCTCAAGGCATGATTCCAACAGAAGTGCAGCAG
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GTGACAACAGCCAACCACAGTCCAGATTTTGACCATGACAGAGATTACGAAGATGAACAGTAAACGAG
GACATGGAGTGA
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_001244810

Insert Size: 2082 bp

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).

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_001244810.1](#)

RefSeq Size: 7150 bp

RefSeq ORF: 2082 bp

Locus ID: 27086

UniProt ID: [Q9H334](#)

Cytogenetics: 3p13

Protein Families: Transcription Factors

MW: 77.4 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. Forkhead box P1 protein contains both DNA-binding- and protein-protein binding-domains. This gene may act as a tumor suppressor as it is lost in several tumor types and maps to a chromosomal region (3p14.1) reported to contain a tumor suppressor gene(s). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (4) lacks an alternate in-frame exon but contains another compared to variant 1. The resulting isoform (d, previously called 4) has the same N- and C-termini but is longer compared to isoform a. This variant encodes the longest isoform, which has been shown to enhance embryonic stem (ES) cell pluripotency and repress ES cell differentiation. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.