

Product datasheet for SC332081

POU2F3 (NM_001244682) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: POU2F3 (NM_001244682) Human Untagged Clone
Tag: Tag Free
Symbol: POU2F3
Synonyms: Epoc-1; OCT-11; OCT11; OTF-11; PLA-1; PLA1; Skn-1a
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332081 representing NM_001244682.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAGTCTCCAAGAAGTCTAAAGGAGGAAGGGATATCAAGATGAGTGGGGATGTAGCCGATTCCAGC
GATGCTCGCAGCACTCTCAGCCAGGTGGAGCCAGGAAATGATCGAAATGGCCTAGATTTCAACAGGCAG
ATTAACCGAAGATCTCAGTGAATCCCTGCAGCAGACCCTCTCCCATCGGCCATGCCACCTGAGTCAA
GGACCTGCCATGATGTCCGAAACCAAATGTCTGGGCTAAATGCCAGCCCATGTCAGGACATGGCTTCC
CTCCATCCGCTCCAGCAGCTTGTGCTGGTTCCTGGCCACTTACAGTCTGTATCCAGTTCCTGCTATCT
CAGACCCAGCCTGGGCAGCAAGTCTGCAGCCAAATCTCTCCCTTTCCACAGCAACAAAGCGGTCTC
CTCTCCACAGACTGGGCCGGGACTGGCATCCCAGGCATTTGGGCACCCCTGGGCTGCCAGGATCCTCT
TTAGAACCCACCTGGAAGCATCCCAGCATCTCCAGTGCCTCAAGCATCTACCCAGCTCTGGAGGGGCC
GATGAGCCAGTGACCTCGAGGAGCTGGAGAAGTTTGCCAAGACCTTCAAGCAGAGGCGCATTAAGCTG
GGCTTACACAGGGGAGATGTGGGGCTGGCGATGGGAAAGCTGTATGGCAACGACTTCAGCCAGACCACC
ATCTCACGATTTGAGGCCCTCAACCTGAGCTTCAAGAACATGTGCAAGCTCAAGCCCTGCTGGAGAAG
TGGCTGAATGATGCAGAGTCTCTCCGTGAGCCCTCAGTGAGCACGCCAGCTCCTACCCAGCCTC
AGTGAAGTATTTGGTAGGAAGAGAAAGAAACGGACCAGCATCGAGACCAACATCCGCCTGACTCTGGAG
AAGAGGTTTCAAGATAACCCAAAACCCAGCTCGGAGGAGATCTCCATGATTGCAGAGCAGTTGTCCATG
GAGAAGGAGGTGGTGAGGTCTGGTCTGCAACCGACGCCAAAAGGAGAAGCGAATCAACTGCCCTGTG
GCCACACCATCAAACCCTGTCTACAACCTCCCGGCTGGTATCTCCCTCAGGGTCTCTGGGCCCTC
TCTGTCCCTCCTGTCCACAGTACCATGCCTGGAACAGTAACGTCACTCTGTTCCTGGGAACAACAGC
AGGCCTTCATCTCCTGGCTCAGGACTCCAGCCAGCAGCCCACTGCATCTCAAATAACTCCAAAGCA
GCAGTGAACCTCCGCTCCAGTTTAACTCTTCAGGATCTTGGTACCGATGGAATCATTCCACCTACCTC
CACTGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001244682
Insert Size: 1317 bp



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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:	<ol style="list-style-type: none"> 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:	<u>NM_001244682.1</u>
RefSeq Size:	2903 bp
RefSeq ORF:	1317 bp
Locus ID:	25833
UniProt ID:	<u>Q9UKI9</u>
Cytogenetics:	11q23.3
MW:	47.6 kDa
Gene Summary:	<p>This gene encodes a member of the POU domain family of transcription factors. POU domain transcription factors bind to a specific octamer DNA motif and regulate cell type-specific differentiation pathways. The encoded protein is primarily expressed in the epidermis, and plays a critical role in keratinocyte proliferation and differentiation. The encoded protein is also a candidate tumor suppressor protein, and aberrant promoter methylation of this gene may play a role in cervical cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and uses an alternate start codon, compared to variant 1. The encoded isoform (2) is longer and has a distinct N-terminus, compared to isoform 1. 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.</p>