

Product datasheet for **SC332120**

Oct-2 (POU2F2) (NM_001247994) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Oct-2 (POU2F2) (NM_001247994) Human Untagged Clone
Tag: Tag Free
Symbol: Oct-2
Synonyms: Oct-2; OCT2; OTF2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332120 representing NM_001247994.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGTTCACTCCAGCATGGGGGCTCCAGAAATAAGAATGTCTAAGCCCCTGGAGGCCGAGAAGCAAGGT
CTGGACTCCCCATCAGAGCACACAGACACCGAAAGAAATGGACCAGACTAATCATCAGAACCCCCAA
AATAAGACCTCCCATTCTCCGTGTCCCCAACTGGCCCCAGTACAAGATCAAGGCTGAAGACCCAGT
GGCGATTAGCCCCAGCAGCACCCCTGCCCTCAGCCGCCAGCCTCATCTGCCCCAGGCCAACTC
ATGTTGACGGGCAGCCAGCTAGCTGGGGACATACAGCAGCTCCTCCAGCTCCAGCAGCTGGTGCTTGTG
CCAGGCCACCACCTCCAGCCACCTGCTCAGTTCCTGCTACCGCAGGCCAGCAGAGCCAGCCAGGCCTG
CTACCGACACCAATCTATTCCAGCTACCTCAGCAAACCCAGGGAGCTTCTTGACTCCAGCCCGG
GCCGGCTTCCCACAGCCCCCAATGCTTGGAGCCACCATCCCACCCGAGGAGCCAGTGATCTG
GAGGAGCTGGAGCAATTCGCCCGCACCTTCAAGCAACGCCGCATCAAGCTGGGCTTACGCGAGGGTAT
GTGGGCTGGCCATGGGCAAGCTCTACGGCAACGACTTCAGCCAGACGACATTTCCCGCTTCGAGGCC
CTCAACCTGAGCTTCAAGAACATGTGCAAACCTCAAGCCCCTCCTGGAGAAGTGGCTCAACGATGCAGAG
ACTATGTCTGTGGACTCAAGCTGCCAGCCCCAACAGCTGAGCAGCCCCAGCCTGGGTTTCGACGGC
CTGCCCCGGCCGAGACGCAAGAAGAGGACCAGCATCGAGACAAACGTCCGCTTCGCTTAGAGAAGAGT
TTTCTAGCGAACCAGAAGCCTACCTCAGAGGAGATCCTGCTGATCGCCGAGCAGCTGCACATGGAGAAG
GAAGTGATCCGCTCTGGTTCTGCAACCGCGGCCAGAAGGAGAAACGCATCAACCCCTGCAGTGCAGGCC
CCCATGCTGCCAGCCAGGGAAGCCGGCCAGCTACAGCCCCATATGGTACACCCCAAGGGGGCGCG
GGGACCTTACCGTTGTCCAAGCTTCCAGCAGTCTGAGCACAACAGCACAAACCCAGCCCTCAAGGCA
GCCACTCGGCTATCGGCTTGTCAGGCCTGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001247994
Insert Size: 1203 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).



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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_001247994.1</u>
RefSeq Size:	6768 bp
RefSeq ORF:	1203 bp
Locus ID:	5452
UniProt ID:	<u>P09086</u>
Cytogenetics:	19q13.2
Protein Families:	Transcription Factors
MW:	43.5 kDa
Gene Summary:	<p>The protein encoded by this gene is a homeobox-containing transcription factor of the POU domain family. The encoded protein binds the octamer sequence 5'-ATTTGCAT-3', a common transcription factor binding site in immunoglobulin gene promoters. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]</p> <p>Transcript Variant: This variant (4) uses alternate splice junctions at the 5' ends of two exons compared to variant 1, the 5'-most being in-frame and the 3'-most causing a frameshift. The resulting isoform (4) lacks an alternate internal segment and has a shorter and distinct C-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>