

Product datasheet for SC331742

Oct-2 (POU2F2) (NM_001207026) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Oct-2 (POU2F2) (NM_001207026) Human Untagged Clone
Tag: Tag Free
Symbol: Oct-2
Synonyms: Oct-2; OCT2; OTF2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331742 representing NM_001207026.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGTTCACCTCCAGCATGGGGGCTCCAGAAATAAGAATGTCTAAGCCCCTGGAGGCCGAGAAGCAAGGT
CTGGACTCCCCATCAGAGCACACAGACACCGAAAGAAATGGACCAGACACTAATCATCAGAACCCCCAA
AATAAGACCTCCCATTCTCCGTGTCCCAACTGGCCCCAGTACAAGATCAAGGCTGAAGACCCAGT
GGCGATTAGCCCCAGCAGCACCCCTGCCCTCAGCCGGCCAGCCTCATCTGCCCCAGGCCAACTC
ATGTTGACGGGCAGCCAGCTAGCTGGGGACATACAGCAGCTCCTCCAGCTCCAGCAGCTGGTGCTTGTG
CCAGGCCACCACCTCCAGCCACCTGCTCAGTTCCTGCTACCGCAGGCCAGCAGGCCAGCCAGGCCCTG
CTACCGACACCAATCTATTCCAGCTACCTCAGCAAACCCAGGGAGCTTCTTGACTCCAGCCCCGG
GCCGGGCTTCCCACACAGGCCGTGACCCGCCCTACGCTGCCCGACCCGCACCTCTCGCACCCGCAGCCC
CCCAAATGCTTGGAGCCACCATCCCACCCCGAGGAGCCAGTGATCTGGAGGAGCTGGAGCAATTCGCC
CGCACCTTCAAGCAACGCCGCATCAAGCTGGGCTTACGCGAGGGTGATGTGGGCTGGCCATGGGCAAG
CTCTACGGCAACGACTTCAGCCAGACGACCATTTCCCGCTTCGAGGCCCTCAACCTGAGCTTCAAGAAC
ATGTGCAAACCAAGCCCTCCTGGAGAAGTGGCTCAACGATGCAGAGACTATGTCTGTGGACTCAAGC
CTGCCCAGCCCCAACAGCTGAGCAGCCCCAGCCTGGGTTTCGACGGCTGCCCGGCCGGAGACGCAAG
AAGAGGACCAGCATCGAGACAAACGTCGCTTCCGCTTAGAGAAGAGTTTTCTAGCGAACCAAGAGCCT
ACCTCAGAGGAGATCCTGCTGATCGCCGAGCAGCTGCACATGGAGAAGGAAGTGATCCGCGTCTGGTTC
TGCAACCGGCCGCGAGAAGGAGAAACGCATCAACCCCTGCAGTGCGGCCCCCATGCTGCCAGCCAGGG
AAGCCGGCCAGCTACAGCCCCATATGGTCACACCCCAAGGGGGCGGGGACCTTACC GTTGTCCCAA
GCTTCCAGCAGTCTGAGCACAACAGTTACTACCTTATCCTCAGCTGTGGGGACGCTCCACCCAGCCGG
ACAGCTGGAGGGGTGGGGCGGGGGCGGGGCTGCGCCCCCTCAATTCATCCCCTCTGTCACTCCC
CCACCCCGGCCACCACCAACAGCACAAACCCAGCCCTCAAGGCAGCCACTCGGCTATCGGCTTGTCA
GGCCTGAACCCAGCACGGGTAA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001207026
Insert Size: 1404 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_001207026.1</u>
RefSeq Size:	1703 bp
RefSeq ORF:	1404 bp
Locus ID:	5452
UniProt ID:	<u>P09086</u>
Cytogenetics:	19q13.2
Protein Families:	Transcription Factors
MW:	49.8 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'-ATTGTCAT-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 (3) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (3) is shorter at the C-terminus compared to isoform 1.</p> <p>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>