

## Product datasheet for SC116616

### COUP TF1 (NR2F1) (NM\_005654) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	COUP TF1 (NR2F1) (NM_005654) Human Untagged Clone
Tag:	Tag Free
Symbol:	COUP TF1
Synonyms:	BBOAS; BBSOAS; COUP-TF1; COUPTF1; EAR-3; EAR3; ERBAL3; SVP44; TCFCOUP1; TFCOUP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005654, the custom clone sequence may differ by one or more nucleotides

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ATGGCAATGGTAGTTAGCAGCTGGCGAGATCCGCAGGACGACGTGGCCGGGGCAACCCCGCGGCCCA
ACCCCGCAGCGCAGGCGGCCCGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGG
CGCGCCGCACACGCCGAGACCCCGGGCCAGCCCGGAGCGCCCGCCACCCCGGCACGGCGGGGACAAG
GGCCAGGGCCCGCCGGTTCGGGCCAGAGCCAGCAGCACATCGAGTGCCTGGTGTGCGGGGACAAGTCGA
GCGGCAAGCACTACGGCCAATTCACCTGCGAGGGCTGCAAAAGTTTCTTCAAGAGGAGCGTCCGCAGGAA
CTTAACCTACACATGCCGTGCCAACAGGAAGTGTCCCATCGACCAGCACCCGCAACCAGTGCCAATAC
TGCCGCCCTCAAGAAGTGCCTCAAAGTGGGCATGAGGCGGGAAGCGGTTTCAGCGAGGAAGAATGCCTCAA
CCCAGCCCAATCCAGGCCAGTACGCACTACCAACGGGGACCCCTCAACGGCCACTGCTACCTGTCCGG
CTACATCTCGCTGCTGCTGCGCGCCGAGCCCTACCCACGTGCGGCTACGGCAGCCAGTGCATGCAGCCC
AACAACTTATGGGCATCGAGAATCTGCGAGCTGGCCGCGCGCTGCTCTTACAGCGCCGTCGAGTGGG
CCCACAACATCCCCTTCTTCCCGGATCTGCAGATCACCGACCAGGTGTCCCTGCTACGCCTCACCTGGAG
CGAGCTGTTCTGTGCTCAACGCGGCCAGTGTCTATGCCGCTGCACGTGGCGCCGTTGCTGGCCGCCGC
GGCCTGCATGCCTCGCCATGTCTGCCGACCGCGTGTGGCCTTCATGGACCACATCCGCATCTTCCAGG
AGCAGGTGGAGAAGCTCAAGGCGCTACAGTGCAGTACAGTGCCTCAAAGCCATCGTGTCT
GTTACAGTGCAGAGCCTGTGGCCTGTGCGATGCGGCCACATCGAGAGCCTGCAGGAGAAGTCCGAGTGC
GCACTGGAGGAGTACGTGAGGAGCCAGTACCCCAACCAGCCAGCCGTTTGGCAAAGTGCCTGCGGAC
TGCCCTCGCTGCGCACCGTGTCTCCTCCGTCATCGAGCAGCTCTTCTTGTCCGTTTGGTAGGTA AAAAC
CCCCATCGAAACTCTCATCCGCGATATGTTACTGTCTGGGAGCAGCTTCAACTGGCCTTACATGTCCATC
CAGTGCTCCTAG

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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_005654 unedited  CAGCGGGCCAGCGCGCCCCGCGGCCCTCGGCGAGCAGCTCGGCTCCCCCAGCGCTCCCC  GGGCCAAAGATATGGCAATGGTAGTTAGCAGCTGGCGAGATCCCGAGGACGACGTGGCC  GGGGGCAACCCCGCGGCCCAACCCCGCAGCGCAAGCGGCCCGCGGGCGGGCGGGG  GGCGCCGGCGAGCAGCAGCAGCAGCAGGCGGGCTCGGGCGCCGCACACGCCGACACCCCG  GGCCAGCCCGGAGCGCCCGCCACCCCGGCACGGGNGGGGACAAGGGCCAGGGCCNCG  CCGGTTCGGGCCAGAGCCAGCAGCACATCGAGTGCNGTGGTGTGCGGNGACAAGTTCGAGC  GGCAAGCACTACGGCCAATTCACCTGCGAGGGCTGCAAAAGTTTCTTAAGAGGAGCGTCC  GCAGGAACTTAACCTTAACATGCCGTGCCAACAGGAACTGTCCATCGACCAGCACACC  CAACCAGTGCCAATACTGCCCTCNAAGAAGTGCCTCANAGTGGGCATGAGGCGGNA  GCGGGTTANCGAGGGGANAATGCCTCCAACCCAGCCCAATCAGGCCAGTACGCACTACC  AACGGGGACCCCTTAACGGGCACTGCTTACCTGTTCCGTTACTNCGGTTGGTGTG  GGCGCCGAGCCCTACCCACGTNGGGCTACGGGAGGCCATGCTTGCAGCCACAACCTTT  TTTGGGCTTAGAGGACTTTTGAAGCTGGCCGGCGCCTGTTCTTAATGTGNNNGTGG  GGCCCGAAATTCCTTTTTTCCGATTTTGTGATAACGAAA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_005654 unedited  AAAATGGGTGAAAAAACCCCGCTTACGTGCTCACAGTTCTGNATCCTAAAAGATCTCTTT  TTCCCATAGTCTTTGTAGCTCGGATTGTATTTCTGCTAGGGTGGGCTGCTCCTGTCTCG  CCCTCCTCCCTCCACCCAGCCTGCCTGGCCCGCTGCATTCCCAGGTGTCGCCGCGGCTT  TGGAGTCTTGGCCAGGTGGTCTCTGAGTCTCTATTTTACGGGGCAGGTGGGAAGCG  CCCAAGGTCTAGGAGCACTGGATGGACATGTAAGGCCAGTTGAAGCTGCTCCAGACAGT  AACATATCGCGGATGAGAGTTTCGATGGGGTTTTACCTACCAAACGGACGAAGAAGAGC  TGCTCGATGACGAGGAGGACACGGTGCCAGCGAGGGCAGTCCGAGCAGCAATTTGCCA  AAACGGCTGGGCTGAATGGGGTACTGGCTCCTCACGTACTCTCCAGTGCACACTGCGAC  TTCTCCTGCAAGCTCTCGATGTGGGCCGATCCGACAGGCCACAGGCGTCTGACGTGAAC  AGCAGCATGGCTTTGAGGCAGCTGACTCGGCTGAGTCGACGTGTAGCGCCTTGAGCTTC  TCCACCTGCTCCTGGAAGATGCGGATGTGGTACATGAAAGCCACGACGCGGTTCGGCAGAC  ATGGGCGAAGCATGCAGGCCGGCGGGCCAGCAACGGCGCCACGTGCAGCGGCATAAAA  CACTGGCCCGGTTGAGCACGAACAGCTTGCTCCATGTGAGGCGTACCAGGGACACCTGG  TCCGGGATCCTGCAATCCGGGAAAAAGGGGAATGTTGCGGCCACTCTACGGCCCTGAAT  ACCAGGCCCCGACCCGCTCGAAAAGTTTTCAAGCCATAAGTTTTTGGCTACATGCATGG  CTTGCGTACCGCACGTGGGGTACGCTCGCCCATG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_005654
<b>Insert Size:</b>	1272 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>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\\_005654.4](#), [NP\\_005645.1](#)

**RefSeq Size:** 3210 bp

**RefSeq ORF:** 1272 bp

**Locus ID:** 7025

**UniProt ID:** [P10589](#)

**Cytogenetics:** 5q15

**Domains:** HOLI, zf-C4

**Protein Families:** Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

**Gene Summary:** The protein encoded by this gene is a nuclear hormone receptor and transcriptional regulator. The encoded protein acts as a homodimer and binds to 5'-AGGTCA-3' repeats. Defects in this gene are a cause of Bosch-Boonstra optic atrophy syndrome (BBOAS). [provided by RefSeq, Apr 2014]