

Product datasheet for **SC319958**

CAF1 (CHAF1A) (NM_005483) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAF1 (CHAF1A) (NM_005483) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAF1
Synonyms:	CAF-1; CAF1; CAF1B; CAF1P150; P150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005483.2
GGCGGCAGCAGCGCGCGGGAGGGGCGAAGAGCAGCGCCGCTGAGGGGAGCCCGC
GCCTCCGCGCCTGAGAGGAGTTCGAGCTGCCGCGGGGCGATGCTGGAGGAGCTGGAGT
GCGGGGCGCCCGCGCCAGGGGAGCCGCCACAGCCATGGATTGCAAAGATAGACCAGCTT
TTCCAGTTAAGAAGTTAATAACAAGCCCGTCTGCCGTTTAAAGCGCTGAATCTTGCCCAA
AGGGGAAAGCCGATGACATGTCAGACGATCAGGGTACTTCTGTGCAAAGTAAAAGCCCG
ATTTAGAGGCCTCTTTGGACACCTTGAAAAACAACTGTCATGTGGGTTCTGACATAGACT
TTAGACCGAAACTTGTCAACGGGAAGGGTCCCTTAGATAACTTTTTAAGAAATAGAATCG
AAACCAGTATTGGCCAGAGCACAGTCATCATTGATTTGACAGAGGACTCGAATGAGCAGC
CAGACAGTCTTGTGGACCACAATAAACTAAATTCTGAAGCCTCTCCCTCCAGGGAGGCAA
TAAATGGCCAGCGAGAAGACACTGGGGATCAGCAGGGGTTGTTGAAGGCCATTCAGAACG
ACAAGTTGGCATTTCCTGGAGAGACCCTTTCAGACATTCCTTGCAAACAGAGGAGGAGG
GTGTTGGCTGTGGAGGTGCAGGGAGGAGAGGCGACTCCCAGGAATGTTCCGCCACGGAGCT
GCCCGGAGCTGACGAGTGGCCCGAGAATGTGCCCCAGAAAGGAGCAGGACAGTTGGAGTG
AAGCTGGGGGCATCCTGTTCAAAGGGAAGGTGCCATGTTGGTCTTGCAGGACATCTTGG
CTGTGAGACCACCGAAATCAAGTCCCTTCCAGCCACACCCCAAGGCAAGAACATGACCC
CTGAGAGTGAGGTGCTGGAATCTTTCCCGAAGAAGACTCTGACTCAGCCATTCGTCCC
TGAGCTCTCCCTTTCCACCAGCTCGCCGAGGGGCGCCCTGCTCCCCAAAGCAGCACA
GCAGTACCAGTCCCTTCCCACCTCCACGCCCTCCGAGAATAACTAAGAAATTCGTCA
AAGGCTCTACAGAGAAGAACAAGCTCAGACTGCAAAGAGATCAGGAGCGTCTGGGCAAGC
AGCTCAAGTTACGTGCAGAAAGGGAAGAAAGGAGAAGCTGAAAGAGGAGGCAAGCGGG
CCAAGGAGGAGGCAAGAAGAAGAAGGAGGAAGAGAAGGAGCTTAAGGAAAAGGAGAGGC
GGGAGAAGCGGGAGAAGGATGAGAAGGAGAAGGCGGAGAAGCAGCGGCTCAAGGAGGAGC
GGCGCAAGGAGAGACAGGAAGCCCTGGAGGCTAACTTGAGGAAAAAGGAAAAAGGAAG
AAGAGAAACGGTTAAGAGAAGAAGAGAAGCGCATTAAAGCAGAGAAGGCCGAAATCACGA
GGTTCTTCCAGAAACAAAGACTCCACAGGCCCAAGACCCTGGCCGGCTCCTGTGGGA
AGTTTGCCCCCTTTGAAATTAAGAGCACATGGTCTGCCCTCGGCGTCGGACCGCTT



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TCCATCCAGACCTCTGCAGTCAGCTGGACCAGCTCCTCCAGCAGCAGAGCGGCGAGTTCT
 CCTTCTTGAAAGACCTCAAAGGCCGGCAGCCCCCTGAGGTCCGGACCCACGCACGTTTCCA
 CCCGGAATGCAGATATTTTAAACAGTGATGTCGTATCGTGGAGCGTGGGAAGGGCGACG
 GTGTTCCCGAGAGGAGGAAGTTTGGCAGGATGAAGCTCCTGCAGTTCTGTGAGAACCACC
 GGCCTGCCTACTGGGGTACCTGGAATAAGAAGACGGCACTCATCCGCGCGGAGACCCCT
 GGGCCCAGGACACGAAGCTCCTGGACTATGAGGTGGACAGTGATGAGGAGTGGGAAGAAG
 AGGAGCTGGGGAGTCCCTGTCCACAGTGAGGGGGATGATGATGACGACATGGGAGAGG
 ATGAAGATGAGGACGATGGTTTCTTTGTGCCCATGGGTACCTGTCTGAGGACGAAGGTG
 TGACAGAGGAGTGTGCCACCCTGAGAACCATAAGGTCCGCCAGAACTGAAGGCCAAGG
 AGTGGGACGAGTTCCTGGCTAAGGGGAAGCGCTTTCGCGTCTGCAACCTGTGAAGATCG
 GCTGCGTGTGGCGGCTGACAGAGACTGCGCAGGCGATGACCTGAAGGTACTGCAGCAGT
 TCGCAGCTGCTTCTGGAGACCCTGCCGGCCAGGAGGAGCAGACGCCCAAGGCCTCCA
 AGCGGGAGAGGAGAGACGAGCAGATCCTGGCCAGCTGCTGCCGCTCTGCACGGCAATG
 TGAACGGGAGCAAGGTCATCATCCGGGAGTTCAGGAGCACTGCCGCCGGGGACTGCTCA
 GCAACCACACCGCAGCCCGGAGCCCTCCACCACCTACCTGCACACCCCAACCCCA
 GCGAGGATGCCGCATCCCTCTAAGTCCCGGCTCAAGCGGCTCATTTCCGAGAACTCAG
 TGTATGAGAAGCGGCTGACTTCAGGATGTGCTGGTACGTGCACCCCGAGGTGCTACAGA
 GCTTCCAGCAGGACACCTGCCCGTGCCGTGCCAGTGGAGCTATGTGACATCGGTGCCCT
 CGGCCCCCAAAGAGGACAGTGGCAGCGTCCCCTCCACGGGGCCAGCCAGGGCACTCCCA
 TCTCGTGAAGAGGAAGTCAAGCGGCGAGCATGTGCATCACCCAATTCATGAAGAAGCGCA
 GGCACGACGGCCAGATTGGTGTGAAGACATGGACGGCTTCCAGGCAGACACGGAGGAGG
 AGGAAGAGGAGGAGGGCGACTGTATGATCGTGGATGTCCCGGATGCTGCCGAGGTCCAAG
 CCCCGTGTGGAGCCGCTCCGGAGCTGGGGTGGTGTGGGGTGGACACCGGCAAGGCCA
 CCCTGACCGCGAGCCCACTGGGTGCATCCTGAGAGCAGGGGTGACGTATGTAGAATGCTT
 AGGGTGTCTCCACAGAGCAGATACTTGAACCGACTCAATTCCTGTGTAAAGGCACT
 TTGTCTGCTTACGGACCTCCCAAAAGTGTGCAGAGTTCTATATAGGATGCTGGATTAG
 TTCCTTTGATATTTGAAAAATCCCAAGAGCCGCATATGAATCTGCCCTTTAATAAA
 GCATTATTGAGAA

Restriction Sites:

Please inquire

ACCN:

NM_005483

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).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_005483.2](#), [NP_005474.2](#)

RefSeq Size: 3344 bp

RefSeq ORF: 2871 bp

Locus ID: 10036

UniProt ID: [Q13111](#)

Cytogenetics: 19p13.3

Protein Families: Stem cell - Pluripotency, Transcription Factors

Gene Summary: Chromatin assembly factor I (CAF1) is a nuclear complex consisting of p50, p60 (CHAF1B; MIM 601245), and p150 (CHAF1A) subunits that assembles histone octamers onto replicating DNA in vitro (Kaufman et al., 1995 [PubMed 7600578]).[supplied by OMIM, Mar 2008]