

Product datasheet for **RG209138**

CAF1 (CHAF1A) (NM_005483) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAF1 (CHAF1A) (NM_005483) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CAF1
Synonyms:	CAF-1; CAF1; CAF1B; CAF1P150; P150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209138 representing NM_005483
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGAGGAGCTGGAGTGCGGGGCGCCCGCCAGGGGAGCCGCCACAGCCATGGATTGCAAGATA
 GACCAGCTTTTCCAGTTAAGAAGTTAATAACAAGCCGCTGTCGCGTTTAAGCGCCTGAATCTTGCCAAA
 GGGAAAGCCGATGACATGTCAGACGATCAGGGTACTTCTGTGCAAAGTAAAAGCCCGATTAGAGGCC
 TCTTTGGACACCTTGAAAACAACTGTCATGTGGGTTCTGACATAGACTTTAGACCGAAACTTGCAACG
 GGAAGGGTCCCTTAGATAACTTTTTAAGAAATAGAATCGAAACCAGTATTGGCCAGAGCACAGTCATCAT
 TGATTTGACAGAGGACTCGAATGAGCAGCCAGACAGTCTTGTGGACCACAATAAACTAAATTTCTGAAGCC
 TCTCCCTCCAGGGAGGCAATAAATGGCCAGCGAGAAGACTGGGGATCAGCAGGGGTTGTTGAAGGCCA
 TTCAGAACGACAAGTTGGCATTTCCTGGAGAGACCCTTTCAGACATTCTTGCAAAACAGAGGAGGAGGG
 TGTTGGCTGTGGAGGTGCAGGGAGGAGAGCGACTCCCAGGAATGTTCCGCACGGAGCTGCCCGGAGCTG
 ACGAGTGGCCCGAGAATGTGCCCAAGAAAGGAGCAGGACAGTTGGAGTGAAGCTGGGGGCATCCTGTTC
 AAGGGAAGGTGCCTATGGTGGTCTTGCAGGACATCTTGGCTGTGAGACCACCGCAAACTCAAGTCCCTTCC
 AGCCACACCCCAAGGCAAGAATGACCCTGAGAGTGAGGTGCTGGAATCTTCCCGAAGAAGACTCT
 GTACTCAGCCATTCGTCCTGAGCTCTCCCTCTTCCACCAGCTCGCCGAGGGGCGCCTGCTCCCCAA
 AGCAGCACAGCAGTACCAGTCCCTTCCACCTCCACGCCCTCCGCAGAATAACTAAGAAATTCGTC
 AAGGCTCTACAGAGAAGAACAAGCTCAGACTGCAAAGAGATCAGGAGCGTCTGGCAAGCAGCTCAAGTTA
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 AGAAGGGAAGAGAAGGAGCTTAAGGAAAAGGAGAGCGGGGAGAAGCGGAGAAGGATGAGAAGGAGAA
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 GGAGCCTGGGGAGTCCCTGTCCACAGTGAAGGGGATGATGATGACGACATGGGAGAGGATGAAGATGAG
 GACGATGGTTCTTTGTGCCCATGGGTACCTGTCTGAGGACGAAGGTGTGACAGAGGAGTGTGCCGACC
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 CTAAGTCCCGGCTCAAGCGGCTATTTCCGAGAACTCAGTGATGAGAAGCGGCCTGACTTCAGGATGTG
 CTGGTACGTGACCCGCAGGTGCTACAGAGCTTCCAGCAGGAGCACCTGCCCGTCCGCTGCCAGTGGAGC
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 GCACTCCCATCTCGTGAAGAGGAAGTCAAGGAGCATGTCATCACCAATTCATGAAGAAGCGCAG
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 GAGGGCGACTGTATGATCGTGGATGTCCGGATGCTGCGGAGGTCAAGCCCGTGTGGAGCCGCTCCG
 GAGCTGGGGTGGTGTGGGGTGGACACCGCAAGGCCACCTGACCGGAGCCACTGGGTGCATCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209138 representing NM_005483
Red=Cloning site Green=Tags(s)

MLEEECEGAPGARGAATAMDCKDRPAFPVKKLIQARLPFKRLNLVPKGKADDMSDDQGSTSVQSKSPDLEA
 SLDTLENNCHVGSIDIDFRPKLVNGKGPLDNFLNRRIETSIGQSTVIIDL TEDSNEQPDSLVDHNLNSEA
 SPSREAIHQREDTGDQQGLLKAIQNDKLAFFGETLSDIPCKTEEEGVGCGGAGRRGDSQECSPRSCPEL
 TSGPRMCPRKEQDSWSEAGGILFKGKVPVVLDILAVRPPQIKSLPATPQGNMTPSEVLESFPEEDS
 VLSHSSLSSPSTSSPEGPPAPPKQHSSTSPFPTSTPLRRITKFKVKGSTENKLRQLQRDQERLGKQLKL
 RAEREEKEKLEEKAKRAKEEAKKKKEEELKEKERREKREKDEKEKAQRLKEERRKERQEALAKLE
 EKRRKEEERKLEEEKRIKAEKAEITRFFQKPKTPQAPKTLAGSCGKFAPFEIKEHMLAPRRRTAFHPD
 LCSQLDQLLQQSGEFSFLKDLKGRQPLRSGPTHVSTRNADIFNSDVVIVERGKGDGVPERRKFGRMKLL
 QFCENHRPAYWGTWNKKTALIRARDPWAQDTKLLDYEVDSDDEEWEEEPGESLSHSEGDDEDDMGEDEDE
 DDGFFVPHGYLSEDEGVTEECADPENHKVRQKLKAKEWDEFKAKGRFRVLQPVKIGCVWAADRDCAGDD
 LKVLQQFAACFLETLPAAQEEQTPKASKRERRDEQILAQLLPLHGNVNGSKVIIREFQEHCRRGLLSNHT
 GSPPRSPSTTYLHTPTSEDAAIIPSKSRLKRLISENSVYEKRPDFRMCWYVHPQVLQSFQQEHLVPVCQWS
 YVTSVPSAPKEDSGSVSPSTGPSQGTPI SLKRKSAGSMCI TQFMKKRRHDGQIGAEDMDGFQADTEEEEE
 EGDCMIVDVPDAAEVQAPCGAASGAGGGVGVDTGKATLTASPLGAS

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

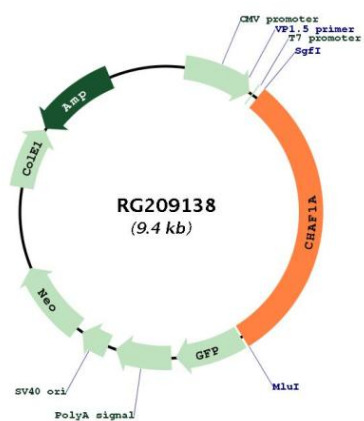


ACCN: NM_005483

ORF Size: 2868 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_005483.3
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]

Product images:



Circular map for RG209138