

Product datasheet for **RG202858**

p60 CAF1 (CHAF1B) (NM_005441) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p60 CAF1 (CHAF1B) (NM_005441) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	p60 CAF1
Synonyms:	CAF-1; CAF-IP60; CAF1; CAF1A; CAF1P60; MPHOSPH7; MPP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG202858 representing NM_005441
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAGTCATCACTTGTGAAATAGCCTGGCACAACAAGGAGCCCGTGTACAGCCTGGACTTCCAGCATG
 GGACGGCTGGGAGGATCCACAGACTGGCGTCTGCCGGCTGGACACCAATGTGAGGATCTGGAAGGTAGA
 AAAGGGACCAGATGGAAGGCCATCGTGAATTTTGTCCAATCTTGCTCGTCATACAAAGCCGTCAT
 GTTGTGCGTTTTCTCCAAGTGGGAAATTTAGCATCGGAGGAGATGATGCTGTATCTATTGTGGA
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 GAACTGGACGGTGTGAAGACTCTGCGGGGCCACTTAGAAGATGTGTATGATATTTGCTGGGCAACTGAT
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 TATCAATTTTAAATGAACATAAAAGTTATGTCCAAGGAGTAACCTGGGACCCCTTTGGGTCAATATGTTGC
 TACTCTGAGCTGTGACAGGGTGTGCGAGTATACAGTATACAGAAGAAGCGTGTGGCTTTCAATGTTTCG
 AAGATGCTGTCTGGAATAGGGGCTGAAGGAGAGGCAAGAAGCTACCGGATGTTTCACGACGACAGCATGA
 AGTCTTTCTTCCGTAGACTGAGTTTCACTCCCGACGGATCTTTGCTTCTACGCCAGCTGGATGTGTGGA
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 GACATTTTATGGTCCAGCGATGGTGCCTTCTGGCCATTTCTCCACGGACGGTACTGCTCATTTGTGA
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 CAGTCATCAGGGACCTCCCTCCATCACTCCTGCTGTCAAAGGCCCTTGCCGGGGCCTTCGGAGGAGAA
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 GCCTGGAGCAAGACAACACCCCGGAGAATAAATTAACACCTTAAGACGGACACTCCACCAAGTTCTG
 TACCAACCAAGTGTGATTTCCACCCCTTCTACAGAAGAAATTCAGTCAGAGACGCTGGAGACGCTCAGGG
 CAGTCCCCCAGAGCTAAAGCGGCCAGACTCGATGAAAACAAAGGAGGCACGGAAGTCTGGACCCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG202858 representing NM_005441
 Red=Cloning site Green=Tags(s)

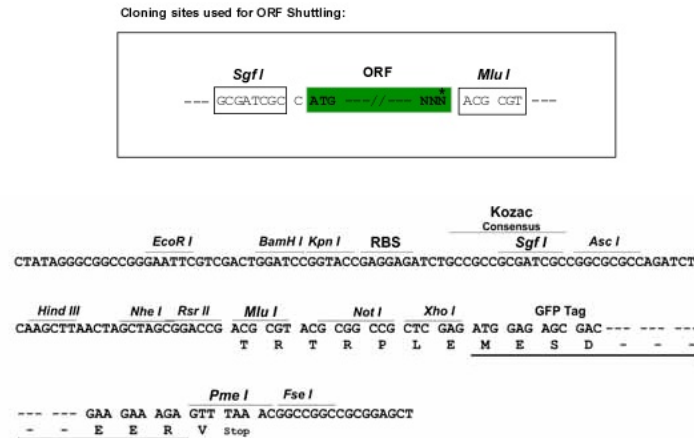
MKVITCEIAWHNKEPVYSLDFQHGTAGRIHRLASAGVDNVRWIKVEKGPDKAIVEFLSNLARHTKAVN
 VVRFSPTEILASGGDDAVILLWKVNDNKEPEQIAFQDEDEAQLNKENWTVVKTLRGHLEDVYDICWATD
 GNLMASASVDNTAIIWDVSKGQKISIFNEHKSYYQGVTDPLGQYVATLSCDRVLRVYSIQKKRVAFNVS
 KMLSGIGAEGEARSYRMFHDDSMKSFFRRLSFTPDGSLLLTPAGCVESGENVMNTTYVFSRKNLKRPIAH
 LPCPGKATLAVRCCPVYFELRPVVGVELMSLPYRLVFAVASEDSVLLYDTQQSFPFGYVSNIIHYHTLS
 DISWSSDGAFLAISSTDGYCSFVTFEKDELGIPLKEKPVLMRTPDTAKKTKSQTHRGSSPGPRPVEGTP
 ASRTQDPSSPGTTPPQARQAPAPTVIDPPSITPAVKSPLPGPSEEKTLQSSQNTKAHPSRRVTLNLTQ
 AWSKTTTPRRINLTPLKTDTPSSVPTSVISTPSTEEIQSETPGDAQGSPELKRPRLDENKGGTESLDP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_005441

ORF Size: 1677 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:

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_005441.3](#)

RefSeq Size: 2297 bp

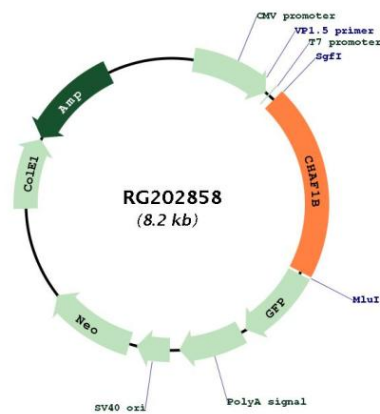
RefSeq ORF: 1680 bp

Locus ID: 8208

UniProt ID: [Q13112](#)

Cytogenetics:	21q22.12-q22.13
Domains:	WD40
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	Chromatin assembly factor I (CAF-I) is required for the assembly of histone octamers onto newly-replicated DNA. CAF-I is composed of three protein subunits, p50, p60, and p150. The protein encoded by this gene corresponds to the p60 subunit and is required for chromatin assembly after replication. The encoded protein is differentially phosphorylated in a cell cycle-dependent manner. In addition, it is normally found in the nucleus except during mitosis, when it is released into the cytoplasm. This protein is a member of the WD-repeat HIR1 family and may also be involved in DNA repair. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG202858