

Product datasheet for **SC119028**

CEBP gamma (CEBPG) (NM_001806) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEBP gamma (CEBPG) (NM_001806) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEBP gamma
Synonyms:	GPE1BP; IG/EBP-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001806, the custom clone sequence may differ by one or more nucleotides

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ATGAGCAAGATATCGCAGCAAAACAGCACTCCAGGGTGAACGGAATTAGTGTTATCCATACCCAGGCAC
ATGCCAGCGGCTTACAGCAGGTTCTCAGCTGGTGCCTGCTGGCCCTGGGGGAGGAGGCAAAGCTGTGGC
TCCCAGCAAGCAGAGCAAAAAGAGTTCGCCATGGATCGAAACAGTGACGAGTATCGGCAACGCCGAGAG
AGGAACAACATGGCTGTGAAAAAGAGCCGGTTGAAAAGCAAGCAGAAAGCACAAGACACACTGCAGAGAG
TCAATCAGCTCAAAGAAGAGAATGAACGGTTGGAAGCAAAAATCAAATTGCTGACCAAGGAATTAAGTGT
ACTCAAAGATTTGTTTCTTGAGCATGCACACAACCTTGCAGACAACGTACAGTCCATTAGCACTGAAAAT
ACGACAGCAGATGGCGACAATGCAGGACAGTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001806 unedited
 NGTGTTTCAATATTTGTATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGCT
 GCCGGTTTCGTAACCGTCGCTCCTCCTCGCTGACTCGCGGGCTGTGAGGCCTGGGTCCGC
 TCGGGCCGCACCGCGCGGGGCCGCTCGGAGTGGAGGCCGCTGGGGGCAGGCGGGCTAGA
 GGAGCAGGTACATGTGAAGATTTTTGGCAGCTTAGCGTGGAAACCATTGATCACCTGC
 TCTCATTTCTACCTGTTCTGTGTGGCAAGGGAGAGTGCCCAAATGAGCAAGATATCGCA
 GCAAAACAGCACTCCAGGGGTGAACGGAATTAGTGTATCCATACCCAGGCACATGCCAG
 CGGCTTACAGCAGGTTCCCTCAGCTGGTGCCTGCTGGCCCTGGGGGAGGAGGCAAAGCTGT
 GGCTCCCAGCAAGCAGAGCAAAAAGAGTTCGCCCATGGATCGAAACAGTGACGAGTATCG
 GCAACGCCGAGAGAGGAACAACATGGCTGTGAAAAAGAGCCGGTTGAAAAGCAAGCAGAA
 AGCACAAGACACACTGCAGAGAGTCAATCAGCTCAAAGAAGAGAATGAACGGTTGGAAGC
 AAAAATCAAATTGCTGACCAAGGAATTAAGTGTACTCAAAGATTTGTTTCTTGAGCATGC
 ACACAACCTTGCAGACAACGTACAGTCCATTAGCACTGAAAATACGACAGCAGATGGCGA
 CAATGCAGGACAGTAGACCTCACCTTTCCAGACTNTAGAGCTTGTGGCTTGAATGTTAA
 AGGTGTGACCACCGACCACTCATGTCAATGGCTGAAAGTTGTCCATTTCCATGACTCA
 AAGACCCATTGGAGGGCTATTTCTGGGATCAGCTGGGANGAGTTGATTTAGCTAAAATG
 TAGCCCTGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001806 unedited
 TGAACCGCGGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTGGGAAGTCAGGAT
 TTATTAAGAACATCGGGATCCCAGATATTTCTTTTTTTTACCATATACCTAACATTTGGG
 GGATTTTGATTCCACAAAAACCTCTATCATTTAAACCAGATATTCGAATTACAAGGCT
 AACATTTTGTAGCTAATCAACTCTCAGTGTGATCCCAGAAAATAGCCTCCAATGGGTCT
 TTGAGTCATGAAATGGACAACCTTCAGCCATTGACATGAGTGGTGTCCGGTGGTACACC
 TTTAACATTCAAGCCACAAGCTCTAAAGTCTGGAAGGGTGAGGTCTACTGTCCTGCATT
 GTCGCCATCTGCTGTCGTATTTTCAGTGCTAATGGACTGTACGTTGTCTGCAAGGTTGTG
 TGCATGCTCAAGAAACAAATCTTTGAGTACACTAATTCCTTGGTCAGCAATTTGATTTT
 TGCTTCCAACCGTTTCTCTCTTTGAGCTGATTGACTCTCTGCAGTGTGCTTTGTGC
 TTTCTGCTTGCTTTTCAACCGGCTCTTTTTCACAGCCATGTTGTTCTCTCTCGGCGTTG
 CCGATACTCGTCACTGTTTCGATCCATGGGCGAACTCTTTTGTCTGCTTGTGGGAGC
 CACAGCTTTGCCTCCTCCCCAGGCCAGCAGGCCAGCTGAGGAACCTGCTGTAAGCCG
 CTGGCATGTGCCTGGGTATGGATAAACACTAATTCGGTTCACCCCTGGAGTGTGTTTTGC
 TGCATATCTTGCTCATTGGCACTCTNCCTTGCCACACAGAACAGGTAGAATGAGAGCG
 GGTGATCAATGGTTNCCACGCTAAGCTGCCAAAAAATCTCACATGTACCTGCTCTTAGC
 CCGNCTGCCCCAGNCGGNTCCACTCAGG

Restriction Sites:

NotI-NotI

ACCN:

NM_001806

Insert Size:

1030 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001806.2](#), [NP_001797.1](#)

RefSeq Size: 3750 bp

RefSeq ORF: 453 bp

Locus ID: 1054

UniProt ID: [P53567](#)

Cytogenetics: 19q13.11

Domains: BRLZ

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The C/EBP family of transcription factors regulates viral and cellular CCAAT/enhancer element-mediated transcription. C/EBP proteins contain the bZIP region, which is characterized by two motifs in the C-terminal half of the protein: a basic region involved in DNA binding and a leucine zipper motif involved in dimerization. The C/EBP family consist of several related proteins, C/EBP alpha, C/EBP beta, C/EBP gamma, and C/EBP delta, that form homodimers and that form heterodimers with each other. CCAAT/enhancer binding protein gamma may cooperate with Fos to bind PRE-I enhancer elements. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Nov 2011]
 Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.