

Product datasheet for **RG233310**

CEBP gamma (CEBPG) (NM_001252296) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CEBP gamma (CEBPG) (NM_001252296) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CEBPG
Synonyms: GPE1BP; IG/EBP-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233310 representing NM_001252296
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAAGATATCGCAGCAAAACAGCACTCCAGGGGTGAACGGAATTAGTGTTATCCATACCCAGGCAC
ATGCCAGCGGCTTACAGCAGGTTCTCAGCTGGTGCCTGCTGGCCCTGGGGGAGGAGGCAAAGCTGTGGC
TCCAGCAAGCAGAGCAAAAAGAGTTCGCCATGGATCGAAACAGTGACGAGTATCGGCAACGCCGAGAG
AGGAACAACATGGCTGTGAAAAAGAGCCGGTTGAAAAGCAAGCAGAAAGCACAAGACACACTGCAGAGAG
TCAATCAGCTCAAAGAAGAGAATGAACGGTTGGAAGCAAAAATCAAATTGCTGACCAAGGAATTAAGTGT
ACTCAAAGATTTGTTTCTTGAGCATGCACACAACCTTGCAGACAACGTACAGTCCATTAGCACTGAAAAT
ACGACAGCAGATGGCGACAATGCAGGACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233310 representing NM_001252296
Red=Cloning site Green=Tags(s)

MSKISQQNSTPGVNGISVIHTQAHASGLQQVPQLVPAGPGGGKAVAPSKQSKKSSPMDRNSDEYRQRRE
RNNMAVKKSRLKSKQKAQDTLQRVNQLKEENERLEAKIKLLTKELSVLKDLFLEHAHNLADNVQSISTEN
TTADGDNAGQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<u>NM_001252296.1</u> , <u>NP_001239225.1</u>
RefSeq Size:	3647 bp
RefSeq ORF:	453 bp
Locus ID:	1054
UniProt ID:	<u>P53567</u>
Cytogenetics:	19q13.11
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]