**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RG209227

## Zhangfei (CREBZF) (NM_001039618) Human Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Zhangfei (CREBZF) (NM_001039618) Human Tagged ORF Clone |
| **Tag:** | TurboGFP |
| **Symbol:** | CREBZF |
| **Synonyms:** | SMILE; ZF |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-AC-GFP (PS100010) |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**ORF Nucleotide Sequence:**

>RG209227 representing NM_001039618
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGCGCGCCC

ATGAGGCATAGCCTGACCAAGCTGCTGGCAGCCTCGGGCAGCAACTTCCCAACCCGCAGTGAGAGCCCGG
AGCCGGCTGCAACTTGTTCGCTGCCCTCTGACCTGACCCGGGCTGCAGCGGGGGAGGAGGAGACGGCGGC
GGCCGGATCTCCCGGCCGCAAGCAGCAGTTTGGCGACGAAGGAGAGTTGGAAGCCGGGAGGGGGAGCCGC
GGCGGCGTGGCCGTGCGCGCGCCCTCCCCCGAGGAGATGGAGGAGGAGGCGATCGCCAGCCTCCCGGGGG
AAGAGACGGAGGATATGGACTTTCTGTCTGGGCTGGAACTGGCGGATCTCCTGGACCCCAGGCAACCGGA
CTGGCACCTGGACCCCGGGCTTAGCTCGCCGGGGCCTCTCTCCTCGTCTGGCGGAGGCTCGGATAGCGGC
GGCCTGTGGAGAGGGGACGATGACGATGAGGCCGCGGCTGCTGAAATGCAGCGCTTCTCTGACCTGCTGC
AAAGGCTGTTAAACGGTATCGGAGGCTGCAGCAGCAGCAGTGACAGTGGCAGCGCCGAAAAGAGGCGGAG
AAAGTCCCCAGGAGGAGGCGGCGGTGGCGGCAGCGGTAACGACAACAACCAGGCGGCGACAAAGAGTCCC
CGGAAGGCGGCGGCGGCCGCTGCCCGCCTTAATCGACTGAAGAAGAAGGAGTACGTGATGGGGCTGGAGA
GTCGAGTCCGGGGTCTGGCAGCCGAGAACCAGGAGCTGCGGGCCGAGAATCGGGAGCTGGGCAAACGCGT
ACAGGCACTGCAGGAGGAGAGTCGCTACCTACGGGCAGTCTTAGCCAACGAGACTGGACTGGCTCGCTTG
CTGAGCCGGCTGAGCGGCGTGGGACTGCGGCTGACCACCTCGCTCTTCAGAGACTCGCCCGCCGGTGACC
ACGACTACGCTCTGCCGGTGGGAAAGCAGAAGCAGGACCTGCTGGAAGAGGACGACTCGGCGGGAGGAGT
CTGTCTCCATGTGGACAAGGATAAGGTGTCGGTGGAGTTCTGCTCGGCGTGCGCCCGGAAGGCGTCGTCT
TCTCTTAAAATG

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



View online »

**Protein Sequence:**

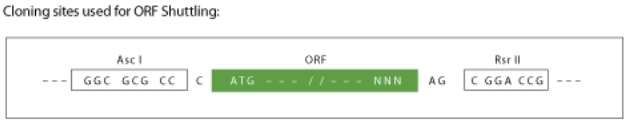
>RG209227 representing NM_001039618
Red=Cloning site Green=Tags(s)

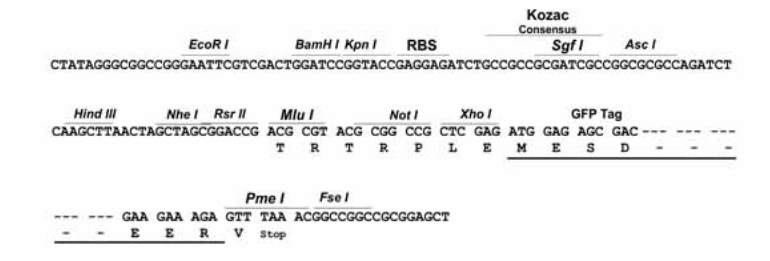
MRHSLTKLLAASGSNFPTRSESPEPAATCSLPSDLTRAAAGEEETAAAGSPGRKQQFGDEGELEAGRGSR
GGVAVRAPSPEEMEEEAIASLPGEETEDMDFLSGLELADLLDPRQPDWHLDPGLSSPGPLSSSGGGSDSG
GLWRGDDDDEAAAAEMQRFSDLLQRLLNGIGGCSSSSDSGSAEKRRRKSPGGGGGGGSGNDNNQAATKSP
RKAAAAAARLNRLKKKEYVMGLESRVRGLAAENQELRAENRELGKRVQALQEESRYLRAVLANETGLARL
LSRLSGVGLRLTTSLFRDSPAGDHDYALPVGKQKQDLLEEDDSAGGVCLHVDKDKVSVEFCSACARKASS
SLKM

SGPTRTRPLE – GFP Tag – V

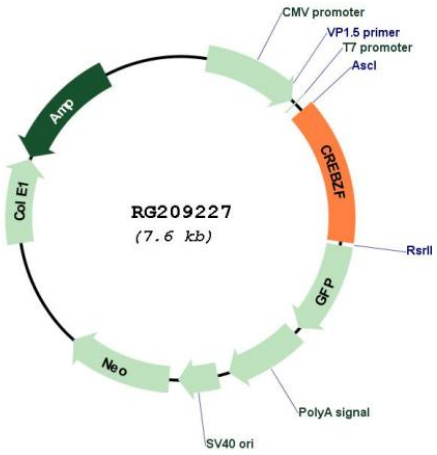
**Restriction Sites:** AscI-RsrII

**Cloning Scheme:**




**Plasmid Map:**




**ACCN:** NM_001039618

| | |
|---|---|
| **ORF Size:** | 1062 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001039618.1, NP_001034707.1 |
| **RefSeq Size:** | 7304 bp |
| **RefSeq ORF:** | 1065 bp |
| **Locus ID:** | 58487 |
| **UniProt ID:** | Q9NS37 |
| **Cytogenetics:** | 11q14.1 |
| **Protein Families:** | Transcription Factors |
| **Gene Summary:** | Strongly activates transcription when bound to HCFC1. Suppresses the expression of HSV proteins in cells infected with the virus in a HCFC1-dependent manner. Also suppresses the HCFC1-dependent transcriptional activation by CREB3 and reduces the amount of CREB3 in the cell. Able to down-regulate expression of some cellular genes in CREBZF-expressing cells. [UniProtKB/Swiss-Prot Function] |