

Product datasheet for **MG224172**

Crebzf (NM_145151) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Crebzf (NM_145151) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Crebzf
Synonyms: 1110034C16Rik; 6330417B10Rik; LAZip; LAZipII; SMILE; Zf
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224172 representing NM_145151
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGCCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCCC

ATGAGGCACAGCCTGACCAAGCTGCTGGCAGCCTCGGGCCGCGACTTCCCGAGCCCGCGACAGCCGGG
AGCCGCCCGCCACGCGCGCGCCGCCCGGGAGCCGAGCGGGCAGCCGCGGGGCGGAGACCCCGAGGCC
CGGATCGCCTGACCGCGAGCAACCTCACGGGGACGGGGACGGGGCGAGCCGAGGCCCGGAGCGGGAGC
CGCGGCAGCGTGGCCGTGCGCGCGCCCGCCCTCGCCCTGAAGATGGAGGAGGAGGAGGAGGACGCGA
TCGCCATGGTCCCAAGGAAGAGCCGGAGGACATGGACTTCTCTCCGGGCTGGAGCTGGCCGATCTGCT
GGACCCTCGGCAACCGGACTGGCACCTGGAGCCCGGGCTCAGCTCGCCCGGGCCCTGTCTCGTCCGGC
GGAGGCTCGGAGAGCGGGCGCCTGTTGAGGGGGGACGACGACGACGACACCGCGGCCCGGAGATGCAGC
GCTTCTCCGACTTGTGCAGAGGCTGTTGAACGGCATCGGAGGCTGCAGCAGCGCGGTGACCGCGGCGG
CGGGGAGAAGAGGCGGAGAAAGTCCCGGGAGCAGGAGGCGGTGGCGCAACGACGGCAACAGGCGGGC
ACCAAGAGTCCCGGAAGGCGGCGGGCCGCTGCCCGTCTTAATCGGCTCAAGAAGAAGGAGTACGTGA
TGGGCTGGAGAGTCGGGTCCGGGACTGGCAGCCGAGAACCAGGAGCTCGGGCCGAGAATCGGGAGCT
GGCAAGCGCGTCAAGCACTGCAGGAGGAGAGTCGCTACCTACGGGCCCTCTGGCCAACGAGACCGGA
CTAGCTCGCTGCTGAGCCGACTGAGCGCGTGGGACTGCGGCTGACCACCTCCCTTTCCAGAGACTCGC
CCGCCGGCACCAGACTACGCCCTGCCGGTGGGGAAGCAGCCGCGGAGCCGCGGGAAGAGGACGACGC
GGCGGGAGGAGTGTCTCCATGTGGACAAGGATAAGGTGTGGTGGAGTCTGCTCGGCGTGGCTCGG
AAGGCGTCGTCGCTCTTAAAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224172 representing NM_145151
 Red=Cloning site Green=Tags(s)

MRHSLTKLLAASGRDFPSRRDSREPPATRAPPREPSGAAAGAETPRPGSPDREQPHGDDGGGEPEARSGS
 RGSVAVRAPAPSPLKMEEEEEEDIAMVPKEEPEDMDFLSGLELADLLDPRQPDWHLEPGLSSPGLSSSG
 GGSESGLLRGDDDDDTAAAEMQRFSDLLQRLNLNGIGCSSGGDRGGGEKRRRKSPGAGGGGANDGNQAA
 TKSPRKAARLNRLLKKEYVMGLESRVRLAAENQELRAENRELKGRVQALQEEESRYLRAVLANETG
 LARLLSRLSGVGLRLTSLFRDSPAGHDYALPVGKQPPEPREEDDAAGGVCLHVDKDKVSVFEFCSACAR
 KASSSLKM

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1874_a04.zip

Restriction Sites: AscI-MluI

Cloning Scheme:



ACCN: NM_145151

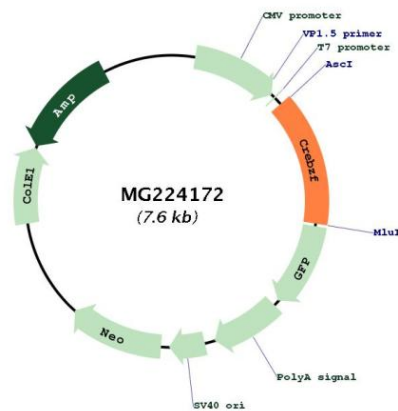
ORF Size: 1074 bp

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](#)

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_145151.3 , NP_660133.2
RefSeq Size:	4961 bp
RefSeq ORF:	1077 bp
Locus ID:	233490
UniProt ID:	Q91ZR3
Cytogenetics:	7 E1
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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG224172