

Product datasheet for **MR224172**

Crebzf (NM_145151) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crebzf (NM_145151) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Crebzf
Synonyms:	1110034C16Rik; 6330417B10Rik; LAZip; LAZipII; SMILE; Zf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224172 representing NM_145151 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCCC

ATGAGGCACAGCCTGACCAAGCTGCTGGCAGCCTCGGGCCGCGACTTCCCGAGCCGCCGCGACAGCCGGG
AGCCGCCCGCCACGCGCGCGCCCGGGAGCCGAGCGGGGAGCCGCGGGGGCGGAGACCCGAGGCC
CGGATCGCCTGACCGCGAGCAACCTCACGGGGACGGGGACGGGGCGAGCCGAGGCCCGGAGCGGGAGC
CGCGGCAGCGTGGCCGTGCGCGCGCCCGCGCCCTCGCCCTGAAGATGGAGGAGGAGGAGGAGGACGCGA
TCGCCATGGTCCCAAGGAAGAGCCGGAGGACATGGACTTTCTCTCCGGGCTGGAGCTGGCCGATCTGCT
GGACCCTCGGCAACCGGACTGGACCTGGAGCCCGGGCTCAGCTCGCCCGGGCCCTGTCTCTGTCGCGC
GGAGGCTCGGAGAGCGCGCGCCTGTTGAGGGGGGACGACGACGACGACACCGCGGCCGCCGAGATGCAGC
GCTTCTCCGACTTGCTGCAGAGGCTGTTGAACGGCATCGGAGGCTGCAGCAGCGCGGCTGACCGCGCGCG
CGGGGAGAAGAGGCGGAGAAAGTCCCCGGGAGCAGGAGGCGGTGGCGCCAACGACGGCAACGAGCGGCG
ACCAAGAGTCCCCGGAAGGCGCGCGCGCCGCTGCCCGTCTTAATCGGCTCAAGAAGAAGGAGTACGTGA
TGGGGCTGGAGAGTCGGGTCCGGGACTGGCAGCCGAGAACAGGAGCTGCGGGCCGAGAATCGGGAGCT
GGGCAAGCGCGTGCAAGCACTGCAGGAGGAGAGTCGCTACCTACGGGCCGTCTTGCCCAACGAGACCGGA
CTAGCTCGCCTGCTGAGCCGACTGAGCGCGTGGGACTGCGGCTGACCACCTCCCTTTAGAGACTCGC
CGCCCGCGGACACGACTACGCCCTGCCGTGGGGAAGCAGCCGCGGAGCCGCGGGAAGAGGACGACGC
GGCGGGAGGAGTGTCTCCATGTGGACAAGGATAAGGTGTCGGTGGAGTTCTGCTCGGCGTGCGCTCGG
AAGGCGTCGTCGCTCTTAAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR224172 representing NM_145151
 Red=Cloning site Green=Tags(s)

MRHSLTKLLAASGRDFPSRRDSREPPATRAPPREPSGAAAGAETPRPGSPDREQPHGDDGGEPEARSGS
 RGSVAVRAPAPSPLKMEEEEDAIAMVPKEEEDMDFLSGLELADLLDPRQPDWHLEPGLSSPGPLSSSG
 GGSESGLLRGDDDDTAAAEMQRFSDLLQRLNLGIGCSSGGDRGGGKRRRSPGAGGGGANDGNQAA
 TKSPRKAARLNLRLKKKEYVMGLESRVRLAAENQELRAENRELKRVQALQEESRYLRANLANETG
 LARLLSRLSGVGLRLTSLFRDSPAGHDYALPVGKQPPEPREDDAAGGVCLHVDKDKVSEFCSACAR
 KASSSLKM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9092_e02.zip

Restriction Sites: AscI-MluI

Cloning Scheme:



ACCN: NM_145151

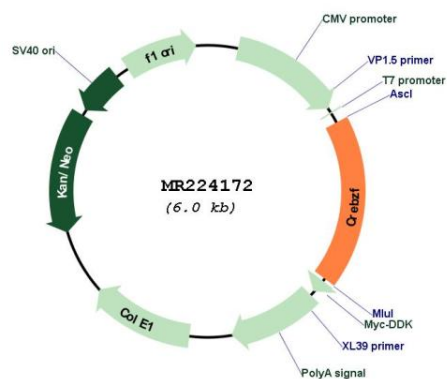
ORF Size: 1074 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_145151.3 , NP_660133.2
RefSeq Size:	5263 bp
RefSeq ORF:	1077 bp
Locus ID:	233490
UniProt ID:	Q91ZR3
Cytogenetics:	7 E1
MW:	37.8 kDa
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 MR224172