

Product datasheet for **MR228980**

Crem (NM_001271504) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crem (NM_001271504) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Crem
Synonyms:	IC; ICER; ICERI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR228980 representing NM_001271504 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCAAATGTGGCAGGAAAAAGTATATGAGGACAAATGTAAGGCAAATGACCATGGAAACAGTTGAAT
CACAGCAGGATCGAAGTGAACACGTTCTGTGGCAGAGCATAGCTCTGCTCATATGCAGACTGGTCAAAT
TTCTGTTCTACTCTAGCTCAGGTTTCTGTAGCTGGATCAGGCACTGGAAGAGGCTCCCCAGCTGTGACT
CTAGTACAGTTACCTTCAGGCCAACTGTACAGGTCCAGGGAGTTATTCAGACACCACATCCATCGGTTA
TTCAATCACCAAAATACAACTGTTTCAGGTAGCAACAATTGCAGAGACAGATGATTCTGCAGACTCAGA
AGTAATTGATTTCGCATAAACGTAGAGAAATTTTTCACGAAGACCCTCATATAGAAAAATACTGAATGAA
CTTTCTCTGTATGTGCCTGGTATCCCAAGATTGAAGAAGAAAAATCAGAGGAAGAAGGGACACCACCTA
ACATTGCTACCATGGCAGTACCAACTAGCATATATCAGACTAGCACGGGGCAATACACTGCCACAGGTGA
CATGCCAATTACCAGATCCGAGCTCCTACTACTGCTTTGCCACAAGGTGTGGTATGGCTGCCTCACCA
GGAAGCCTGCACAGTCCCAGCAACTAGCAGAAGAAGCAACTCGCAAGCGGGAGCTGAGGCTGATGAAAA
ACAGGGAAGCTGCCCGGAGTGTGCGAGGAAGAAGAAAGAATATGTCAAATGTCTTGAAAAATCGTGTGCC
TGTGCTTGAAAAATCAAAACAAGACCCTCATTGAGGAACTCAAGGCCCTCAAAGACCTTTATTGCCATAAA
GCAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228980 representing NM_001271504
Red=Cloning site Green=Tags(s)

MSKCGRKKYMRTNVRQMTMETVESQQDRSVTRSVAEHSSAHMQTGQISVPTLAQVSVAGSGTGRGSPA
 VTLVQLPSGQTVQVQGVVIQTPHPSVIQSPQIQTVQVATIAETDDSDADSEVIDSHKREILSRRPSYRKILNE
 LSSDVPGIPKIEEEKSEEEGTPPNIATMAVPTSIYQTSTGQYTATGDMPTYQIRAPTTALPQGVVMAASP
 GSLHSPQQLAEEATRKRELRMLMKNREAARECRKKKEYVKCLENRVAVLENQNKTLIEELKALKDLYCHK
 AE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

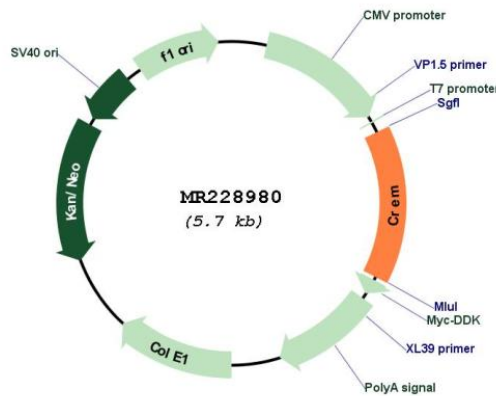
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271504

ORF Size: 846 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:	<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_001271504.1 , NP_001258433.1
RefSeq Size:	2534 bp
RefSeq ORF:	849 bp
Locus ID:	12916
UniProt ID:	P27699
Cytogenetics:	18 A1
MW:	31.6 kDa
Gene Summary:	This gene encodes a basic-leucine zipper domain-containing protein that localizes to gene promoters, where it binds to the cyclic AMP response element (CRE). Different protein isoforms encoded by this gene may function as either activators or repressors of transcription. Activity of this gene is important in multiple developmental processes, including spermatogenesis. Mutation of this gene causes male infertility. Alternative splicing and promoter usage result in multiple transcript variants for this gene. [provided by RefSeq, Oct 2012]