

Product datasheet for **RR213772**

Creb5 (NM_001134621) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Creb5 (NM_001134621) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Creb5
Synonyms:	RGD1566107
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR213772 representing NM_001134621
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGCAGCGGAACCCCGGAGAAAGTTTGCAAACTTCCACCATTCGCGCAAGACGCCTGGTCACCTA
 GGGCGGCCGGGCGAGTTTGCAGGGGCTCTCTCCACCGGTGCCAGCGGCCGTGCCATCTCTCGA
 GACCCGCTACCGCTGCAGCTGATTTATGAGGAATCCAAGATGAACTTGAGCAGGAGAGCCGTTTGT
 TGCAGTGCACCCAGGCTGCTCTCAGCGTTTCCCAACAGAGGACCATCTGATGATTCATAGGCACAAGCATG
 AGATGACTTTGAAGTTTCTTCGATAAAAAAGACAACATGCTATCAGATCAGACTCCAACGCCAACAAAG
 ATTCCTGAAGAACTGTGAGGAGGTGGTCTCTTCAGCGAGCTGGACTGCTCTTTGAGCAGGATTCAGG
 AAGGCTCAAGAGGAAGAGAGCAGCAAGAGGAATATCTCCATGCACAATACAGTTGGTGGGACCATGACGG
 GGCCTGGAGCTCACCAGTTAGGCAGCTCACGGATGCCAACCCAGACACCAGTGTGTGATTGAGCAAGC
 CATGCCTTCAACCCAGTCCAGCTCAGTCATCACGAGGCTCCCTCCACCAACCGCCAGATCGGGCCTGTC
 CCAGGCTCTATCATCTCTGCTCCATCTCCACAACAGACAGAGACGCCATGCCAGCCTCCATGCCTG
 GAACCTGCCCAACCCACCATGCCGGATCTTCTGCCGTCTTGATGCCTATGGAAGGCAGATGTCAGT
 GAACTCCAGCATCATGGGCATGCAAGGTCAAACCTTAGCAACCCCTGTGCTTCTCCCAGGTTACAGCC
 ATGCATTTGAAGCCAAATGAGATTGAAGGCTGCATTGACTCACCATCTGCTGCCATGTCGAATGGGA
 ACATGAGCACCATCGGACACATGATGGAGATGATGGGCTCCCGGCAAGACCAGACGCCGACCCACCAT
 GCATTCGACCCCGCATCAGCACCAGACTGCCGCCACCCACCCCTATCCACACCAGCACCAGCACC
 GCACACCATCCCCACCAACCTCACCACCAGCAGAACCCACCCGACCCACTCCCATTCCCACCTCC
 ACGCACCCCGGCGCACCCAGACTCGCCACACCCGCCCTGCACACCGGCAACCAAGCACAGTTTC
 ACCAGCCACACAACAGATGCAGCAACCCAGACAATAACAACCGCCACAGCCACAGGGGGACCCGACGA
 AGGGTGGTGGATGAGACCCAGATGAGAGCGGAGGAAATTTCTGAAAGGAACCGGCGCCGCCACCC
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 CATGCAGCTTCAAGTGAAGTGTCCATGTTGAAAAATGAGGTGGCCAGCTGAAGCAGTTGTTGTTAA
 CATAAAGACTGTCAATAACAGCCATGCAGAAAGAAATCACAAGGATACTTAAGTCCAGAGAGCAGCCCTC
 CTGCGAGCCCGTCCAGCGTCTCTCAGCAGCAAGTATCCAGCATAACACCATCAGCAGATCCTCATC
 GGTGAGCGAGGTGGTGGGAGCTCCACCCTCAGTCAGTACAGGTCACAGAACAGACTGAACCTATT
 CTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213772 representing NM_001134621
 Red=Cloning site Green=Tags(s)

MMQRNPGRKFAHFHFGQDAWSPRGRASLQALSPGTAQRPLPSLETRYRLQLIYEESKMNLEQERPFV
 CSAPGCSQRFPTEDHLMIHHRKHMTLKFPSIKTDNMLSDQTPTRFLKNCEEVGLFSELDCSFEHEFR
 KAQEESSKRNI SMHNTVGGTMTGPGAHQLGSSRMPNHDTSVVIQQAMPSPQSSSVITQAPSTNRQIGPV
 PGSLSLLHLHNRQRQPMPASMPGTL PNPTMPGSSAVLMPMERQMSVNSSIMGMQGNL SNPCASPVQP
 MHSEAKMRLKAALTHHPAAMSNGNMSTIGHMEMMGSRDQTPHHMHSHPHQHQLPPHHPYPHQHHP
 AHHPHPQPHHQNHPPHSHSLHAHPAHHQTSHPPLHTGNQAQVSPATQMQPTQTIQPPPTGGRRR
 RVVDEDPDERRRKFLERNRAAATRCRQKRKVVVMSLEKKAELTQTNMQLQNEVSMKNEVAQLKQLLLT
 HKDCPITAMQKESQGYLSPESPASPVPACSQQVVIQHNTITSSSVSEVVGSSTLSQLTSHRTDLNPI
 L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

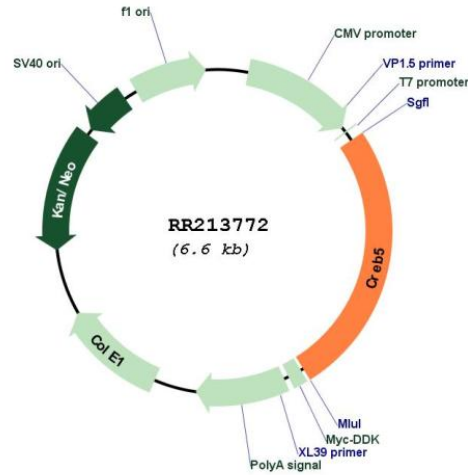
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134621
 ORF Size: 1683 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_001134621.1 , NP_001128093.1
RefSeq Size:	4148 bp
RefSeq ORF:	1686 bp
Locus ID:	500131
Cytogenetics:	4q24
MW:	62.8 kDa