

Product datasheet for **RR217030**

Crebrf (NM_001277157) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crebrf (NM_001277157) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Crebrf
Synonyms:	RGD1310862
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR217030 representing NM_001277157
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCTCAGCCAGCGTAAGCGGAATGGATCCGCCTTTGGGGATGCCTTTCGAAGCCACACCTTTTCAG
AACAGACTCTGATGAGCACAGATCTTTAGCCAACAGTTCTGATCCAGATTTTCATGTATGAGCTGGATAG
AGAGATGAATTATCAACAGAATCTAGAGACAACCTTCTTTCTTTGGAAGACTGCAAAGACATTGAAAAT
CTGGAGACTTTCACAGATGTCCTGGACAATGAGGATGCTTTGACTTCAAACCTGGGAACAGTGGGATACAT
ACTGTGAAGACTTAACCTAAGTATACCAAACCTAACCAGCTGTGACATCTGGGGGACAAAAGAAGTGGATTA
CCTGGGCTTGTGACTTTTCTAGCCCTTACCAAGATGAAGAGGTCATCAGTAAAACCTCAAACCTTGGCC
CAGCTCAATAGTGAAGACTCTCAGTCTGTTTCTGATTCCCTTTATTATCCTGATTCACTCTTCAGTGTCA
AACAAAACCCCTTGCCCCCTCTCTTTTCTAGTAAAAAGATCACAAGTAGAGCAGCTGCCCTGTGTG
CTTTCAAAGATACTTCAGGCTGAGGTCCCATCGTCAGACTGTGTCCAAAAGCAAGCAAACCTACTTCA
AGCACACAGATCATGGTGAAGACCAACATGTATCATAATGAAAAAGTGAATTTTCATGTGCAATGTAAAG
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CATAGATGCGGCAAGGAGAACACCTGCTACTGTGGCGCTGTGGTAAAGAGGCAGGAGAAGAGGGGGGTG
GAGCCTCACAGGGTCATGGCACTCCTGCTTTGCCTTTCAGAGAAACCCAGGAACATTACTTAGTCCTC
TGCCCCAGCATGGTCTGGGTTGGTTGCCACAGCAGAGAGTGGCAGCCTTTCTGCCAGCACTTCTGTTTC
AGATTCGTCAGAAAAAAGAAGAGCACAAATTATCTCTTTTGTCTCTGACAACATGAGAGAACAGCCA
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TTGGCAGTGAGCATGAGCTTTCTGAAAATGAAGAGGAGGAAGAAGAGGAAGAGGATTATGAGGATGACAG
AGATGATGATATCAGCGACACATTCTCTGAACCAGGCTATGAAAACGACTCTGTAGAGGACTTGAAGGAG
ATGACTTCCATATCTTCTCGGAAGAGAGGAAAAAGAAGTACTTCTGGGAGTATAGTGAAGCAGTTGACGC
CATCACAGCAAGAGAGGATTCTGAGGCCATCTGAGTGAATCGAGACACCTTGCCAAGTAATATGTACCA
GAAAAATGGCTTACATCATGGGAAATACGCAGTTAAGAAGTACGGGAGAACTGATGTGGAAGACCTGACT
CCAAATCTAAAAAACTACTCCAGATTGGTAATGAACTACGGAACTGAATAAGGTGATCAGTGACCTGA
CTCCAGTTAGTGAGCTTCCCTTAACAGCGAGGCCAAGGTCAAGGAAAGAAAAAATAAGCTGGCTTCCAG
AGCTTGTAGGCTGAAGAAGAAAGCCAGTATGAAGCCAATAAAGTGAAGCTCTGGGGCTCAACACTGAA
TATGACAATTTATTTTGTAACTCACTCCATCAAGCAAGACATTGTAACCGAGTTCAGAATCCAAGAG
AGGAGAGAGGACCCAGCATGGGGCAGAAGCTTGAATCCTCATTAAAGACACACTCGGTCTCCAGTCGC
TGGGCAAACCTCAGAATTTGTTAACCAAGTGTAGGGAAGACTGTGAAGGCAACCCCACTGGAGGCCTT
GTAGGACTAAGGATACCAGCATCAAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217030 representing NM_001277157
Red=Cloning site Green=Tags(s)

MPQPSVSGMDPPFGDAFRSHTFSEQTLMSTDLLANSSDPDFMYELDREMNYQQNPRDNFLSLEDCKDIEN
 LETFTDVLDNEDALTSNWEQWDTYCEDLTKYTKLTSCDIWGTKEVDYGLDDFSSPYQDEEVI SKTPTLA
 QLNSEDSQSVSDSLYYPDSLFSVKQNPLPSSFPSSKITSRAAAPVCSSKILQAEVPSDDCVQKASKPTS
 STQIMVKTNMYHNEKVNHFHVECKDYVKKAKVKINPVQQRPLL SQVHIDAAKENTCYCGAVVKRQEKRGV
 EPHQGHGTPALPFRETQELLLSPLPQHGPGLVATAESGSL SASTSVSDSSQKKEEHNYSLFVSDNMREQP
 TKYSPEDDEDEDDIDDEHDDEGFGSEHELSENEEEEEEEEDYEDDRDDDI SDTFSEPGYENDSVEDLKE
 MTSISSRKRGRRYFWEYSEQLTPSQQERILRPSEWNRDTPSNMYQKNGLHHGKYAVKSRRTDVEDLT
 PNPKKLLQIGNELRKLNKVISDLTPVSELPLTARPRSRKEKNKLASRACRLKKAQYANKVKLWGLNTE
 YDNLLFVINSIKQDIVNRVQNPREERGPSMGQKLEILIKDTLGLPVAGQTSEFVNQVLGKTAEGNPTGGL
 VGLRIPASKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001277157

ORF Size: 1920 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.
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_001277157.1](#), [NP_001264086.1](#)

RefSeq Size: 6459 bp

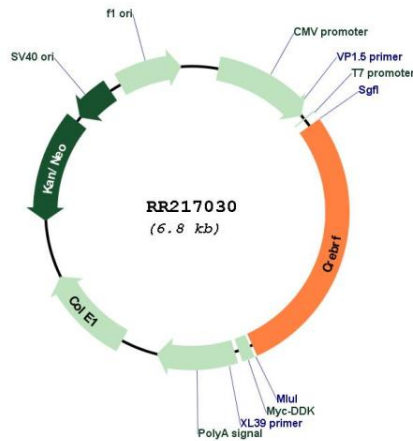
RefSeq ORF: 1923 bp

Locus ID: 303016

Cytogenetics: 10q12

MW: 72.5 kDa

Product images:



Circular map for RR217030