

Product datasheet for **RR204166**

Cbr1 (NM_019170) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Cbr1 (NM_019170) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Cbr1
 Synonyms: Cbr
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR204166 representing NM_019170
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTTCGACAGACCCGTGGCACTGGTACTGGTGCTAACAAGGAATCGGATTCGGATCGTACGTG
 ATCTCTGTCGTAATTCTTGGGGGACGTGGTCTCACGGCGCGGACGAGTCACGGGGCCACGAGGCGGT
 GAAGCAGCTGCAGACCGAGGGCCTGAGCCACGCTTCCACCAGCTGGACATCGACAACCCGAGAGCATC
 CGCGCGCTGCGTGACTTTCTGCTTCAGGAGTACGGAGGACTGAACGTGCTGGTCAACAATGCGGGCATCG
 CCTTCAAAGTTGTTGACCCACCCCTTCCACATTCAAGCAGAGGTGACAATGAAAACCAACTTTTTTGG
 TACCCAAGATGTCTGCAAGGAGCTACTCCCTATAATAAAACCCCAAGGCAGAGTGGTGAATGTATCAAGC
 AGCGTGAGTCTCAGGGCCCTGAAAAGCTGCAGCCCGGAGCTGCAGCAGAAGTTTCGAAGTGAGACCATCA
 CTGAGGAAGAGCTGGTGGGGCTCATGAACAAGTTTATAGAGGATGCAAAGAAAGGAGTCCATGCGAAAGA
 AGGCTGGCCCAATAGTGCATATGGGGTCACCAAGATAGGGGTGACAGTCTGTCCAGAATCTATGCCAGG
 AAACCTCAATGAGGAGAGGAGAGAGGACAAGATCCTCCTGAATGCCTGCTGCCCTGGTGGGTGAGAACCG
 ACATGGCAGGACAAAAGCCACAAAAGCCAGAAGAAGGAGCAGAGACCCCGTGTACTTGGCCCTTTT
 GCCTCCAGGTGCAGAGGGCCCTCACGGGAGTTTGTTCAGATAAAAAAGTTGAACCATGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204166 representing NM_019170
Red=Cloning site Green=Tags(s)

MSSDRPVALVTGANKGIGFAIVRDLCKRFLGDVVL TARDESRGHEAVKQLQTEGLSPRFHQLDIDNPQSI
 RALRDFLLQEYGGNLVNNAGIAFKVVDPTPFHIIQAEVTMKTNFFGTQDVCKELLPIIKPQGRVVNVSS
 SVSLRALKSCSPELQKFRSETITEEELVGLMNKFIEDAKKGVHAKGWPNSAYGVTKIGVTVLSRIYAR
 KLNEERREDKILLNACCPGWVRTDMAGPKATKSPEEGAETPVYLLALLPPGAEGPHGQFVQDKKVEPW

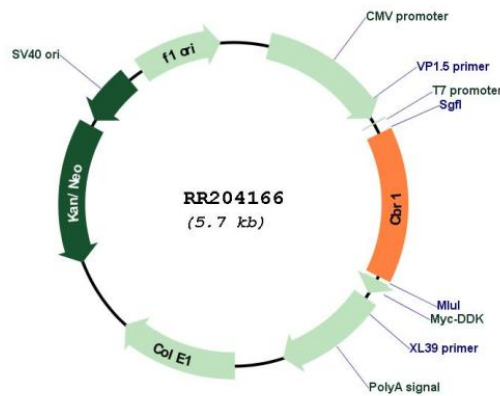
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019170

ORF Size: 831 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_019170.2 , NP_062043.1
RefSeq Size:	997 bp
RefSeq ORF:	834 bp
Locus ID:	29224
UniProt ID:	P47727
Cytogenetics:	11q11
MW:	30.6 kDa
Gene Summary:	NADPH-dependent oxidoreductase that may be involved in ovarian follicular development [RGD, Feb 2006]