

## Product datasheet for **RR203518**

### **Cblb (NM\_133601) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cblb (NM_133601) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cblb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR203518 representing NM\_133601  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAAATTCATGAATGGCAGAAATCCTGGTGGTCGAGGAGGAAACCCCGCAAAGGTGCAATTTTGG  
 GGATTATTGATGCCATTCAGGATGCAGTTGGACCCCAAAGCAAGCTGCAGCTGACCGCAGGACAGTGGA  
 GAAGACTTGAAAACCTCATGGACAAAGTGGTAAGACTGTGCCAAAAATCCGAAACTTCAGTTGAAAAACAGC  
 CCACCATATATCCTCGACATTTTACCTGATACGTATCAGCATTTCGCGCTTATATTGAGTAAAGTATGACG  
 ACAACCAGAAGCTGGCTCAACTGAGCGAGAATGAGTACTTTAAAACTACATCGACAGTCTCATGAAGAA  
 GTCAAAGCGAGCGATCCGGCTCTCAAAGAAGGCAAGGAGAGGATGTACGAGGAGCAGTCGCAGGACAGA  
 CGGAATCTCACAAGCTGTCCCTTATCTTCAGTCACATGCTGGCAGAAATCAAGGCGATCTTTCCCAATG  
 GCCAGTCCAGGGAGATAACTTCCGGATACCAAAGCAGATGCTGCCGAATTCGGAGGAAGTTTTTTGG  
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 ATATTTTTACCAGGCTATTTACGCCCTGGGGCTCTATTTACGGAATTGGAACCTCTTAGCTGTGACACA  
 CCCGGGTACATGGCATTCTCACATATGATGAAGTAAAGCTCGACTACAGAAATACAGCACCAGCCT  
 GGAAGCTACATTTCCGGTTAAGCTGCACTCGGCTGGGACAAATGGGCCATTGGCTATGTGACTGGGGACG  
 GCAATATCCTACAGACCATACCTCATAACAAGCCCCTGTTCCAAGCCCTGATTGATGGTAGCAGGGAAGG  
 CTTTTACCTTTATCCAGATGGACGAAGCTATAACCCTGATTTAACCGGATTATGTGAACCTACACCTCAT  
 GATCATATAAAAGTTACACAGGAGCAATATGAAGTGTATTGTGAAATGGGCTCCACTTTTCAGCTGTGCA  
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 TACCGCGTGGCAGGAGTCTGATGGCCAAGGCTGCCCTTCTGTCGCTGTGAGATAAAAGGAACCGAACCT  
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 TCCCCATGCTCGACTTGGATGATGACGATGATCGAGAGGAGTCTCTGATGATGAACCGGCTGGCGAGTGT  
 TCGCAAGTGCACAGACAGGCAGAACTCGCCAGTCACATCGCCAGGATCCTCACCCCTTGGCCAGAGAAGA  
 AAGCCTCAGCCAGACCCTCTCCAGATCCCCACCTCAGCCTGCCACCAGTGCCTCCCCGCTGGACCTCA  
 TTCAGAAAGGCATCGTGCCTCTCCCTGTGGCAGCCCCACGGGCTCCCCGAAGTCTTCTCCATGCATGGT  
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 CCTCCGCCAATCCCGCTGACAGTAGACTGAGCAGACACTTCCACCAGGAGAGAGTGTGCCTTCCAGGG  
 ACCAGCCAATGCCTCTTGAAGCCTGGTGCCTCGGGATGCCTTCGGGACTAATCAGGTGATGGGATGTCG  
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 ATGGGCTCTGACCAGGTTCTTATGAGGAAACACAGACGCCACGATTTGCCTTCAGAAGGCGCCAAGGTCT  
 TTTCAATGGACACCTTGCCCTGAAGAATACGACGTTCTCCTCGGCTTTCCCTCCTCCTCCAGTCAC  
 TGCCCTTCTCCCTAGCATAAAGTGTACTGGTCCAATAGCAAATTTGTCTCTCCGAGAAAACAAGAGACACA  
 GTAGAAGAAGATGATGATGAATACAAGATTCTTCATCCCATCCTGTTCCCTGAATTCACAACCATCTC  
 ATTGTATAATGTCAAACCTCCTGTTCCGGTCTTGTGATAATGGTCACTGTATACTGAATGGAACCTATGG  
 TACGCCCTCAGAGATGAAGAAATCAAACATCCCAGATTTAGGCATCTATTTGAAGGGTGAAGATGCTTTT  
 GATGCCCTCCCCCATCCCTTCTCCTCCCCACCTCCTGCAAGACATAGTCTCATCGAGATTCAAAC  
 CTCCAGGCTCCAGTAGCCGGCTTCTCAGGACAGGACCTTTTCTTCTTCTTCCAGATCCCTTTTTTGA  
 CCCAGCAAGTGGCCAAGTTCCATTGCTCCGGCCAGGAGACACCAGGAGATGGTGTCAAATCCAACAGA  
 GCCTCCAGGACTATGACCAGCTCCCTTCTCCTCCGATGGTTCGCAAGCACCAGCTAGACCCCCAAAC  
 CACGACCCGAAGGACTGCACCAGAAATTCATCACAGAAAGCCCCATGGGCCGAGGCGGCACTGGAAAA  
 TGTGGATGCGAAAATTGCAAACTCATGGGAGAGGGGTATGCCTTTGAAGAGGTGAAGAGAGCCTTAGAG  
 ATCGCCAGAATAACCTGGAAGTGGCCAGGAGCATACTTCGAGAATTCGCCTTCCCTCCTCCGCTCTCGC  
 CAGTCTCAATCTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203518 representing NM\_133601  
 Red=Cloning site Green=Tags(s)

MANSMNGRNPGGRRGNPRKGRILGIIDAIQDAVGPPKQAAADRRTVEKTWKLMDKVVRCLCQNPKLQLKNS  
 PPYILDILPDTYQHLRLILSKYDDNQKLAQLSENEYFKIYIDSLMKKSKRAIRLFKEGKERMYEEQSQDR  
 RNLTKLSLIFSHMLAEIKAIIFPNGQFQGNFRITKADAAEFWRKFFGDKTIVPWKVFRCLEHVHQISSG  
 LEAMALKSTIDLTCNDYISVFEFDIFTRLFQPWGSILRNWNFLAVTHPGYMAFLTYDEVKARLQKYSTKP  
 GSYIFRLSCTRLGQWAIGYVTGDGNILQTIHPNKPLFQALIDGSREGFYLYPDGRSYNPDLTGLCEPTPH  
 DHIKVTQEYELYCEMGSTFQLCKICAENDKDVKIEPCGHLMCTSCLTAWQESDQGQPCFRCCEIKGTEP  
 IIVDPFDPREDESRCCSIIDPFSIPMLDLDDDDREESLMNRLASVRKCTDRQNSPVTSPGSSPLAQR  
 KPQPDPLQIPLSLPPVPPRLDLIQKGIVRSPCGSPTGSPKSSPCMVKQDKPLAPPPPLRDP PPPER  
 PPPIPPDSRLSRHFHGESVPSRDQPMPLAECPRDAFGTNQVMGCRILGDGSPKPGVTANSNLNGRHSR  
 MGSQVLMRKHRRHDLPEGAKVFSNGHLAPEEYDVPPRLSPPPPVTALLPSIKCTGPIANCLSEKTRDT  
 VEEDDDEYKIPSSHPVSLNSQPSHCHNVKPPVRSCDNHCILNGTHGTPSEMKSNIPDLGIYKGEDAF  
 DALPPSLPPPPPARHSLIEHSPKPPGSSSRPSSGQDLFLLPSDPFFDPASGVPLPPARRAPGDGVKSNR  
 ASQDYDQLPSSSDGSQAPARPPKPRPRRTAPEIHRKPHGPEAALENVDAKIAKLMGEGYAFEEVKRALE  
 IAQNNEVARSIREFAFPPVSPRLNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

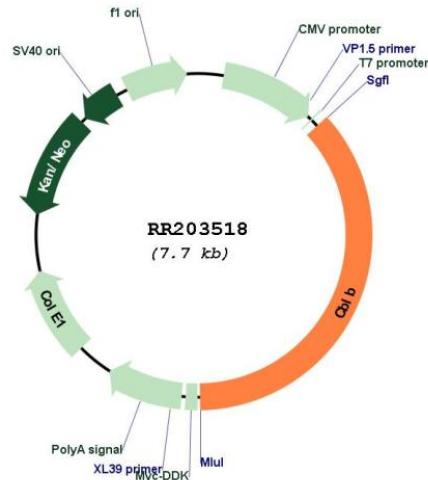
Restriction Sites:

SgfI-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_133601

ORF Size: 2814 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\\_133601.1](#), [NP\\_598285.1](#)

RefSeq Size: 3373 bp

RefSeq ORF: 2817 bp

Locus ID: 171136

UniProt ID: [Q8K4S7](#)

Cytogenetics: 11q21

**MW:** 104.7 kDa

**Gene Summary:** ubiquitin-protein ligase; may regulate autoimmunity; implicated as a susceptibility gene for type I diabetes (IDDM) [RGD, Feb 2006]