

## Product datasheet for RR204025

### Chkb (NM\_017177) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chkb (NM_017177) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chkb
Synonyms:	Chetk; Chkl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204025 representing NM_017177 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGGCGCGGATGGGACAGGTGTAGTCGGAGGAGGGGCTGTGGCGGCCCCCTGTCCAAGGACGGTTTGC  
TGGATGCTAAGTCCCAGAACCAATCCCCAATCGGCGGCGCTCTTCTCGCTGTCCCGTGACGCGCAGCG  
CCGAGCCTATCAGTGGTCCGGGAGTACCTGGGCGGAGCCTGGCGCAGAGCGCGGCCGGAGGAGCTGAGC  
GTTTGCCCGTGAGCGGAGGCCTCAGCAACCTGCTCTTCCGATGCTCGCTACCGAACACGTGCCAGTA  
TGGGCGGGGAGCCCCGGGAGGTGCTGCTACGGCTGTACGGGGCTATCTTGACGGGTGTAGACTCCTTGGT  
ATTAGAAAGCGTGATGTTTCGCCATTCTTGACAGAGAGATCTCTAGGGCCCCAATTATGGAGTGTTC  
GAGGGCCGCTTGGAACAGTACCTCCCAAGCCGGCCATTGAAAACCTCAAGAGCTCCGGGACCCAGTGTGT  
CAGGAGCCATTGCAACAAAGATGGCCCGTTTCCATGGTATGGAGATGCCCTTACCAAGGAGCCCCGCTG  
GTTGTTTGGGACCATGGAGCGGTACCTAAAGCAGATCCAGGACCTGCCGTCCACTAGCCTTCCCCAGATG  
AACCTGGTGGAGATGTACAGCCTCAAGGATGAGATGAATCACCTCAGGACGTTGCTAGACGCTACACCGT  
CCCCAGTGGTCTTCTGCCAATGACATCCAGGAAGGAAACATCTACTGCTCTCAGACCCAGACAGTGA  
TGACAACCTCATGTTGGTTGATTTTCGAGTACAGTAGTTACAACCTACAGGGGCTTTGACATTGGGAATCAT  
TTCTGTGAGTGGGTTTACGATTACACTTACGAGGAGTGGCCTTTCTACAAGCAAGACCTGCAGACTACC  
CCACTAGAGAACAGCAGCTCCTTTTTCATCCGTCATTATCTGGCGGAGGTTCAGAAAGGTGAGGTCCTCTC  
CGAAGAGGAGCAGAAGAAACAGGAAGAAGATTTGCTGATAGAGATCAGCCGGTATGCCCTGGCCTCAT  
TTCTTCTGGGCTATGGTCCACCCTCCAGGCTTCCATGTCCACTATAGAGTTGGCTACTTGAATACG  
CCCAATCTCGGTTCCAGTCTACTTCCAGCAGAAGGGGCAGCTGACCAGTTCCTATCACCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR204025 representing NM\_017177  
Red=Cloning site Green=Tags(s)

MAADGTGVVGGGAVGGPLSKDGLLDAKCPEPIPNNRRSSSLSRDAQRRAYQWCREYLGGAWRRARPEELS  
 VCPVSGGLSNLLFRCSLPNHVPSMGGEPREVLLRLYGA.ILQGVDSLVLSEVMFA.ILAERSLGPQLYGVFP  
 EGRLEQYLPSPRLKTQELRDPVLSGAIATKMARFHGMEMPFTKEPRWLFMTMERYLKIQLDLPSTSLPQM  
 NLVEMYSLKDEMNLRLTLLDATPSPVVFCHNDIQEGNILLSEPDSDDNMLVDFEYSSNYRGFDIGNH  
 FCEWVYDYTYEEWPFYKARPADYPTREQQLLFI RHYLAEVQKGEVLSEEEQKKQEEDLLIEISRYALASH  
 FFWGLWSTLQASMSTIEFGYLEYAQSRFQFYFQQKQLTSFLSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

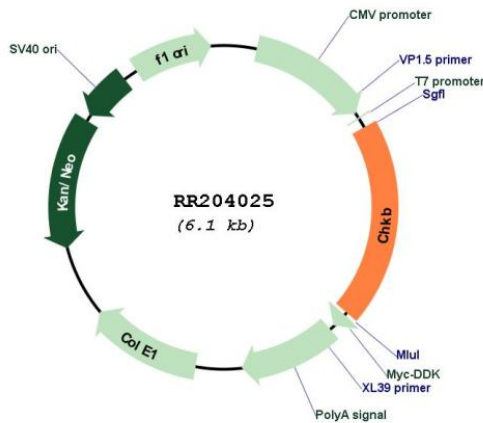
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_017177

<b>ORF Size:</b>	1182 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_017177.1</a> , <a href="#">NP_058873.1</a>
<b>RefSeq Size:</b>	1679 bp
<b>RefSeq ORF:</b>	1185 bp
<b>Locus ID:</b>	29367
<b>UniProt ID:</b>	<a href="#">O54783</a>
<b>Cytogenetics:</b>	7q34
<b>MW:</b>	45.1 kDa
<b>Gene Summary:</b>	choline/ethanolamine kinase enzyme [RGD, Feb 2006]