

Product datasheet for **RN217109**

Cngb3 (NM_001271238) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cngb3 (NM_001271238) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cngb3
Synonyms:	Cng6; RGD1565364
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN217109 representing NM_001271238
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTAAATCTCTGACAGTAAATGCAACAAAGTGAAGCCCATGGAAGGGAGGACCGAGAAGCAACCCCT
 GCCCCACCTGAGCAGTGGGTCTCAGCCATCCATAGCACAGGGAGAAAACCAAAGTGAAAACGAATCTCT
 GATGAGCAGGACACCAGCCACAGTTGAAAAATCACACAGCAAAGAAGACAACAGCACTGGGAGAACTCC
 CTCAGGGGTTCTACCACAAATCCTGACACTGAATGTCCTGCAGAACTCACGGGAACAATATCGGAGATGG
 AGCAAACCTAGGACTAGGAAAGAAAAGCCAGCCAGCATTAAAGACAAAGTATTTGAAACTTCAATTATAAA
 TGAATATACTGATGCCATCTACACAACCTAGTGGAGAGAATGCGTGAAAGGACTGCTTTCTACAAGAGA
 AACTGACAGAGGGAGAGAACTCCCCGAATTAGAAGCCAGCTCTCACTGCAACGTCTACAGATATAT
 CACCAAGACAAGAGATCAATTCTAAGCCAAAAGAACCACCACAACTCCAGAGAGTACCTGTGAAAGA
 GTACCTAAGAAGCATGAGACTTCCGAGAAGCATAGATTCTACACAGATCGGATTTATCTCTGTGGCTC
 CTGCTTGTCAACATTGCCTACAACCTGGAAGTGTGGCTGCTACCGGTACGCCTTGTCTTTCCATGCCAAA
 CACCAGACAACAGGAACTACTGGATCATTACTGACATCATATGTGATATCATCTACCTTGGTGATATATT
 ATTGATCCAACCAAGACTTCAATTCGTAAGAGGAGGAGAAATTATCGTAGATTCAAATGAGCTGAAGAGG
 CACTACAGGAGTTCTACAAAATTCAGATGGATGTGGCATCTCTACTGCCATTTGAAGTTCTCTACATCT
 TCTTCCGAGTCAATCCAATTCAGAACAAATCGGATATTAAGTACACTTCACTTTGAGTTTAAACCA
 TCACCTGGAGTCTATAATGGACAGGCATATGTCTACAGGATAATCCGAACAACCTGGCTACTTGTGTTT
 CTTCTGCACATTAACGCCTGTGTTTATTACTGGGCTTCAAGTATGAAGGAATTGGCTCACTAAATGGG
 TCTATAATGGGGAAGGAAACAAGTATCTGCGATGTTTTTATTGGGCAGTTCGAACTTTAATTACAATTGG
 GGGCCTTCCAGAGCCACAGACTTCATTTGAAATGTTTTTCAACTCTTGAATTTCTTTTCGGGAGTTTTT
 GTGTTCTCCAGCTTAATTGGTCAGATGCGTGATGTAATTGGGCAGCAACAGCCAATCAGAACAACCTCC
 ATGCTGTCATGGACCATATCATTGCCTACATGAACAAACTCCATTCTCAGAGTACGCAGCATCGAGT
 TCGGACTTGGCTGGAATATACGTGGCATTCTCAGAGAATCCTAGATGAGTCCAACCTTGTGAGACCCTC
 CCAACAGCAATGCAGTTGTCTGTTGCCATTGACATAAACTTCAATATCATCGACAAAGTGGAGCTGTTCA
 AGGGCTGTGACACCCAGATGATTTATGACCTGCTACTAAGACTGAAATCCACTATTTATTTACCTGGTGA
 CTTTGTCTGCAAAAAGGGAGAAATGGAAAAGAAATGTACATCATCAAGCATGGAGAAGTCCAAGTTCTT
 GGAGGCCCTGATGGTGTCAAGTTCTGGTTACTCTGAAAGCTGGGCGAGTGTGGAGAAAATAAGCCTTC
 TGGCAAAAAGGAGGAGAAACCGCCGACAGCGGATGTGGTGGCCACGGGTTTGCCAATCTTTAACTCT
 GGACAAAAGACTCTCCAGGAAATTTGCTGCATTATCCAACCTCTAAAAGCTTCTCATGAAGAAAGCC
 AAAGTTCTTTAAAGCCAGAAGGGAAAGAACACACAGGCAATCCCTCCAAGAAACAAGACCTGCCTTTCTTT
 TCCCACAAAAGAAGAGACACCAGAAATGCTTAAAGTCTCTCTGGGAAACACAGGAAAGGTGGACCTTGG
 AAGACTCCTTAAAGGAAAGAGAAAACAAACCACTCAGAAAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001271238
- Insert Size:** 2073 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001271238.1, NP_001258167.1</u>
RefSeq Size:	3092 bp
RefSeq ORF:	2073 bp
Locus ID:	500418
Cytogenetics:	5q13