

Product datasheet for MC224253

Cngb1 (NM_001195413) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cngb1 (NM_001195413) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cngb1
Synonyms:	Cngb1b; Garp2; Gm1959
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224253 representing NM_001195413 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGGGCTGGGTCAAAGGGTCTGCCTCAGCCTCCGGGGACCCCTCAGAAGACCGTGGAGACAGCAG
GACCACAGCCAGAAACAGAGTCGAAACCAGAGGCCAACCCACAACCGGAGCCAGAACCTCAGCAGGAACC
AGAGCCAGAGCCAGAGCCAGAGCCAGAGCCAGAGCCAGAGCCAGAGCCAGAGCCAGAGCCAGAGCCAGAA
CCTGAACCTGAACCAAGTACCTGAAGAGGCTCCACCTGAGGTCCAGGCCCTGCCACCAGAGGACCAATGG
AAGGAGAGGGAGAGGCTGAGGCTGGTCCCAGCCTTCAAGAGACCCAGGTAGCTGACCCCTGCTCAGCCAC
CTCCCAGGCCAGGTTGCTGTTGCCAAGGTGAACAGGCCAGCTCCTGGATGTTGAGCTGGTTCTGGAGA
GGCATGCAGAAGGTGCTGCCACAGCCTGTCTGCAGCAATGGGGGCCAGAACCTGGCTGCCGGAGAGCGAG
ACCCAGATCAGGGTGGAGCACAGATCCCAGAACCTTGTGGCACTGGGGACCCAGGATCTGCAGAAGCTTC
CGGGACTCAGGACTGAGCCAGCCTTTGGCTGCTCAGGTGGCTTGAGCAGAATCTGGAAAAAGTGCTG
CCCCAGCCCCCTCCGCTTCCCTGGCTGGAAGTTGAACCTGAGGCTGCTGTCTTGGATCCAGATCCTC
CAGGAACCCCTATGCAGATGGAGCCACAGAGAGCCCTCCAGCCTAATCCTGGACCCCTGGAGCCTGA
GGAAGAGCCAGCTGCAGAGCCCCAGCCTGGCTTCCAATCCTTCCCTGCCACCACCCGGGGACCCCGTC
AGGCTGATTGAGTGGCTCCTACACAGACTGGAGATGGCCCTGCCTCAGCCCGTGTCCATGGGAAGGCTG
CAGAGCAAGAGCCTGGCTGCCCTGGGATGTGTGACGTACAGACCATCAGCATCCTCCCCGTGGAACAGGT
GGAACATGATCTTGTCTGGAGGAGGTGGACTCTTGTCTGGGAGGATGCTCAGCAGGAAGATGGCGCCAGC
CCGAGGAGACAGAGGTGGCTCCAGCTCATGAAGAAGAGAGTGGGCCATAGTGGAGATACCCAGGGAGC
TGACGAAGATTCAAGAAGAAAGAGAAGATGAGCAGGAAGAGGATGAGGAAGAGAAGGAGGAAGAGAAGAA
GAAGGGGAGGAAGAGAAGGAGAAGGAGGAGGAAGAGAAGAGAAGAGAAGGAGAAGGAGGAGGAGAAG
GAAGAGGAAGAGAAGGAGGAGGAGGAGGAGGAAGAAAAGGAAGAGGAAGGAGGAGGAAAAGGAAGAAGAGG
AGAAGGAAGAGGAGGAGAAGGAAGAGGAGGAAGAGAAGAGGAGGAGGAAGAGAAGACCTATTGTCCTGCT
GGATAGCTGTTTGGTGGTGCAGGCTGATGTGGACGAGTGCAGCTAGAAAAGGACACCGTCAGAGCTAGCA
TCGATCCAGGAGCTGCCAGAAGAGAAGGAGGAAGGAAGAGGAGAAGGAGGAGGAGAAGGAGGAGGAGG



AGGAAAAGAAGGAGGAAGAAGTGGAGAAGAAGGAGGAAGGGGAGGCCACAACTCAACAGTACCAGCCAC
 AAAGGAGCACCCGGAGCTCCAGGTAGAAGACACGGATGCTGATAGTGGCCCCCTCATCCCAGAGGAGACA
 CTCCCTCCACCTGAGAGACCACCACCGTCTCCTGTCAAGTCGGACACCCTCACAGTTCCTCCGGCGCCGCTG
 CAGCAGGCCACAGGAAGAAGCTACCTTCTCAGGATGATGAGGCCGAAGAGCTCAAGGCCCTGTACCAGC
 TGAGTCCCAGTGGTTGCCTGGTCGGACCCACACCCACAGGAGGCTGATGGCCAGGACCCGAGCAGCC
 TCCACCGCCAGCCAGAACAGTCCATCATCAATGACCGGCTCCAGGAGCTGGTGAAGATGTTCAAGGAGC
 GGACGGAGAAGGTGAAGGAGAAGCTCATTGACCCTGACGTACCCTCTGATGAGGAGAGCCCAAGCCCTC
 CCCGGCCAAGAAGGCCCCAGAACCAGACCCAGCCAGAAGCCAGCGGAGGCAAGGTGGCAGAGGAGGAA
 CACTACTGCGACATGCTCTGCTGCAAGTTCAAGCGCAGGCCCTTGAAGATGTACCGTTCCTCCAGAGTA
 TCGACCCACTGACCAACCTCATGTACATCTTGTGGCTGTTCTTTGGTGTGGCCTGGAAGTGGAACTG
 CTGGCTGATCCCTGTGCGCTGGGCTTCCCGTACCAGCGGGCAGACAACATCCACTTCTGGCTCCTCATG
 GATTACTTGTGCGACTTCATCTACCTCCTGGACATCACCGTGTCCAGATGCGCCTGCAGTTTGTCAAAG
 GCGGGGACATCATTACAGACAAGAAGGAGATGCGTAATAACTACCTGAAGTCTCGCCGGTTAAGATGGA
 CCTGCTCTGCCTCCTGCCCTTGGACTTTCTACTTGAACCTTGGCATCAACCCTCCTTCGCCTGCC
 CGCTGCCTGAAGTACATGGCCTTCTTTGAGTTAATAACCGCCTGGAAGCCATCCTCAGCAAAGCCTACG
 TTTACAGAGTCATCAGGACCACGGCCTACTGTGTACAGCCTGCACCTCAACTCCTGCCTTACTACTG
 GGCATCAGCCTTCCAGGGCATCGGCTCCACTACTGGGTTTACGACGGAGTGGGGAACAGTTATATTCGA
 TGCTACTACTGGGCTGTGAAAACCTCATCACCATCGGAGGACTGCCCGACCCCCAGACGCTCTTTGAGA
 TTGTCTTCCAGCTGTGAACTATTTTACCGGGTCTTTGCTTTCTCTGTGATGATTGGACAGATGAGAGA
 TGTGGTGGGGGCCCCACAGCGGGCAGACCTACTACCGCAGTGCATGGACAGCACAGTGAAGTACATG
 AACTTCTACAAGATCCCCAGGTCTGTGCAGAACCGTGTCAAGACCTGGTATGAGTACACCTGGCATTGCG
 AAGGCATGCTGGATGAGTCAGAGCTGATGGTACAACCTCCGACAAGATGCGACTGGACCTGGCCATTGA
 TGTGAACACAGTATTGTGAGCAAGTGGCCCTTTTCCAGGCTGTGACCGCAGATGATCTTGCACATG
 CTCAAGCGGCTTCGTTCTGTTGTCTACCTACCCAATGACTATGTGTGCAAGAAGGGGAGATTGGCCGAG
 AGATGTACATTATCCAGGCGGGCAGGTGCAGGTGCTGGGCGGCCAGATGGGAAGGCTGTACTGGTGAC
 ACTCAAAGCCGGATCGGTGTTTGGAGAAAATAAGCTTGTGGCTGTGCGGGGTGGCAACCGGCGCACAGCC
 AACGTGGTGGCCATGGCTTACCAACCTTTCATACTGGACAAGAAGGACTTGAATGAAATTTTAGTGC
 ATTACCCGGAATCTCAGAAGTTACTTCGGAAGAAGGCCAGGCGCATGCTAAGAAAATAACAACAACCCAA
 GGAGGAAAAGAGTGTGCTCATCTGCCCGCGTGGGGCACCCCGAAGCTTTCATGCTGCCCTGGCT
 GCTGCAGGAAAGATGGGCCCCAGGGGAGCCAAGGGCGGCAAGCTCGCCACCTGAGAGCCAGGCTCAAGG
 AACTGGCTGCACTGGAGGCAGCCGCGCAGCAACAGCTGCTGGAACAGCCAAGAGCTCGCAAGAAGC
 TGGGGGAGAGGAGGGCTCTGGGGCCACAGACCAACCTGCACCCAGGAGCCACCAGAGCCCAAGGACCT
 CCGAAGCCACCAGGGCCACCAGAGCCCTCAGCCAGAGCTCTCCACCTCCAGCCTCAGCAAAGCCCGAGG
 AAAGCACGGGGGAGGCAGAGGGCCCCGGAGCCCTCGGTGAGGATCCGTGTGAGTCCAGGCCCTGATCC
 CGGGGAGCAGACACTGTCGGTGGAGGTGCTGGAGGAGAAGAAAGAGGGGGCGGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001195413
Insert Size: 3978 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001195413.1](#), [NP_001182342.1](#)

RefSeq Size: 6201 bp

RefSeq ORF: 3978 bp

Locus ID: 333329

Cytogenetics: 8 C5