

Product datasheet for **MC206396**

Cygb (BC055040) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cygb (BC055040) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cygb
Synonyms:	3110001K20Rik; HGb; Staap
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC055040
 CTACCTCTCCCAGCCGGGACCGCGGTGGCCTTGCTAACGGGTGGGTGGTTCAGCGGGCAGACGCCAGCCG
 TGACACCCCATCCCGCCTAACCTTACCTTGCCAAAATTGACTCCCAGAAAACAGGACTGGATTTTTTGG
 AGCGGATTTTTTTAAAAACATTTTTTCCCAGCAGACCACATCTCCGCCCCAGCTCGCAGTCCCCCG
 CCCCCGCACATACCTTGCACACCCGCGCTCTACTCCTCGCCCGCCGCTCTGCCCCGCTCGC
 ACGCACCGGCCTCGGAGCTGCTCATGGAGAAAGTGCCGGGCGACATGGAGATAGAGCGTAGGGAGAGGAG
 CGAGGAGCTGTCCGAGGCGGAGAGGAAGCGGTTCAAGCTACGTGGGCCCGGCTGTATGCCAACTGCGAG
 GACGTGGGGGTGGCCATCCTGGTGAGGTTCTTTGTGAACCTCCCTTCGGCCAAGCAGTACTTCAGCCAGT
 TTAGACACATGGAGGATCCCTTGAGATGGAGAGGAGTCCCCAGCTGCGGAAGCAGCCTGCCGGTTCAT
 GGGGGCCCTCAACACTGTCGTGGAGAACCTGCATGACCCAGACAAGGTATCCTCTGTGCTCGCCCTGGT
 GGCAAGGCCACGCCCTCAAGCACAAGGTGGAACCTATGTACTTTAAGATTCTCTCTGGGGTCACTTCTGG
 AGGTGATCGCCGAGGAATTTGCCAATGACTTCCCTGTGGAGACGCAGAAAAGCCTGGGCCAAGCTGCGGGG
 TCTCATCTACAGCCAGTACCGCAGCCTACAAGGAAGTGGGTGGGTACAGCAGTCCCCAACACCACC
 ACCCCACCAGCCACTCTGCCCTTTCAGGGCCGTAAAGACCCTCCAGCTCCCCCTCCCTGGCAGCACT
 TTGGGCAGAAGGCCGACTTCTGAAGACACGCATTGACCTTCCATTCTGGGTGCCAAGGAAGCTGGAGGA
 ACCCCTGACTCGACTTCCCGAAAAGGAGGCTTCATCATGGCTGTGGTCCCCCAGGCTACTGGGAGGTGG
 GGCTGGATCCCTGGATGCTGAATCTAGCAGAGGGGAATCCCTCTGCCTCAGCAGGGGCACACTTCTT
 TAGCTTTTTTACTGACTGTTAGAGAGGGACCTGGCAAAGTGGCCGGTGGGAAGCGAGGACAAGCCCGTG
 AGTCACTTCAGAAAGGAATATCCCTGCTTCACTCTGCCCGCCAGCATGCAGGTTCTCTCGCCATCTCT
 AGAGCATCACGCACACACATCTACCATATACACAGATATATTCTATATACTATATATAAATATATA
 TAACACACACGTACATATCTATCGAGTGCCTGCAGGCCAGAAAGCCTAGGTCTTGCCAGCCGTGGGA
 GGCCAGAAGAGTCTGGCCATCTTCTGGGCAGCTTACCGGGAGCAGGGTAAAAGTGGCAACAGCACA
 AGAGGAGGGGCCAGGTGGGAGAGTTGGGGTGAGTCAGTTGCTCCTACAGCTCAGTGCCCTGCATTCCTG
 CCTACCCCCACAAAACAAGAGAATCCCAGAGCTTGGGAGGCGGAGGAAGGACAATCGTTGCGTCTGAGG
 TCAGGTGGTCATCTACCTGGTCTCCACGGTGGTGAGTTTCAGGCTAGCTGGGGTACACAGGAAGACCTC
 GGGTCAAACGGAAGAAAAAAAAAAAAACATAAAGATCTGGCTCCCTCTCCTCTCCTCCCCTCCCCTCCC
 TCCCCAAGGGTTTGCCTGACTGGCTTGTCTGGAAAGGGCAAGGATCAGGGCACACACCAAGAGTTCAGG
 AGATCCCAATGGGATGTTGGCCAGTGTATGTGTCGGTATATGGGGTGGGGTGGGGGCAGCCTCAGT
 GTGGAGCCCTAGAATGTCAGCCTCACCTGCTCACTTCAGACAGCAGCCAGGCCACAGGACGGGGTGTCT
 CTCACACCCCTCAGCAGACCAGGCCTCTCTCTCTGCCCTCCTCTGGGGCCACCTGCTCACCTCTCCA
 CATAGTCTCCTAACATTGCTGGAAACCCCGTGTGATCCCTTGGTACAGTGTACTGTCTGGAAGATGT
 CTACTGCTGTGGCTACCGTGCCTGCGTCCCCTCTGGTCCCACCTCGCACAGCCTTCTGTAACCTGCCT
 GTCTTTTGTAGTTTCTGATGTTTGTAAACAGATCCAGCTGTGTCATTAACACAGGTCTGTTCTTCTCTGTC
 AA

Restriction Sites: RsrII-NotI

ACCN: BC055040

Insert Size: 573 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).

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: [BC055040](#), [AAH55040](#)

RefSeq Size: 2287 bp

RefSeq ORF: 573 bp

Locus ID: 114886

Cytogenetics: 11 E2

Gene Summary: May have a protective function during conditions of oxidative stress. May be involved in intracellular oxygen storage or transfer.[UniProtKB/Swiss-Prot Function]