

Product datasheet for **RN202337**

Cygb (NM_130744) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cygb (NM_130744) Rat Untagged Clone
Tag: Tag Free
Symbol: Cygb
Synonyms: Glnf; Staap; Stap
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202337 representing NM_130744
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGAAAGTGCCGGGCGACATGGAGATAGAGCGCAGGGAGAGGAACGAGGAGCTGTCCGAGGCGGAGA
GGAAGGCGGTTCCAGGCTACGTGGGCCCGCTGTATGCCAACTGCGAGGACGTGGGGTGGCCATCCTGGT
GAGGTTCTTTGTGAAGTCCCGTCGGCCAAGCAGTACTTCAGCCAGTTTAAACACATGGAGGATCCGTTG
GAGATGGAGAGGAGTCCCTCAGCTGCGGAAACATGCCTGCCGGGTATGGGGGCCCTCAACACGGTGTGG
AGAACCTGCATGACCCAGACAAGGTATCCTCTGTGCTCGCGCTGGTTGGCAAGGCCACGCCCTCAAGCA
CAAGGTGGAACCTATGTACTTTAAGATTCTCTCTGGGGTCACTTCTGGACGTGATCGCCGAGGAGTTTGCC
AATGACTTCCCGTCGAGACGCAGAAAGCTGGACCAAGCTGCGCGGTCTCATCTACAGCCATGTGACCG
CGGCCTACAAGGAAGTGGGCTGGGTACAGCAGGTCCCAACACCACCACCTACCAGCCACACTGCCCTC
TTCAGGGCCAT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_130744
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).



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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_130744.2</u> , <u>NP_570100.1</u>
RefSeq Size:	2138 bp
RefSeq ORF:	573 bp
Locus ID:	170520
UniProt ID:	<u>Q921A4</u>
Cytogenetics:	10q32.2
Gene Summary:	peroxidase; involved in catabolizing hydrogen peroxide and lipid hydroperoxides in the liver [RGD, Feb 2006]