

Product datasheet for RN211312

Cyb5a (NM_022245) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cyb5a (NM_022245) Rat Untagged Clone
Tag: Tag Free
Symbol: Cyb5a
Synonyms: Cyb5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211312 representing NM_022245
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCGAGCAGTCAGACAAGGATGTGAAGTACTACACTCTGGAGGAGATTCAGAAGCACAAAGACAGCA
 AGAGCACCTGGGTGATCCTACATCATAAGGTGTACGATCTGACCAAGTTTCTCGAAGAGCATCCTGGTGG
 GGAAGAAGTCCTAAGAGAGCAAGCTGGGGGTGATGCTACTGAGAACTTTGAGGACGTCGGGCACTCTACG
 GATGCACGAGAACTGTCCAAAACATACATCATCGGGGAGCTCCATCCAGATGACAGATCAAAGATAGCCA
 AGCCTTCGGAAACCTTATCACTACTGTGAGTCTAATCCAGTTGGTGGACCAACTGGGTGATCCCAGC
 CATCTCAGCCCTGGTGGTAGCTCTGATGTATCGCCTCTACATGGCAGAAGATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_022245
Insert Size: 405 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: [NM_022245.1](#), [NP_071581.1](#)

RefSeq Size: 751 bp

RefSeq ORF: 405 bp

Locus ID: 64001

UniProt ID: [P00173](#)

Cytogenetics: 18q12.3

Gene Summary: a heme protein that may act as an electron transporter [RGD, Feb 2006]