

Product datasheet for MC202110

Cyb5a (NM_025797) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyb5a (NM_025797) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyb5a
Synonyms:	0610009N12Rik; Cyb5
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC024341 sequence for NM_025797 CGCTCAGACCTGATCATAGCACAAACCCTGCACGGCTGTGTTGCAGGGCCCGGTAGACTCACTGTTCCGAG ATGGCCGGGCAGTCAGACAAGGATGTGAAGTACTACACCCTGGAAGAGATTGAGAAGCACAAAGACAGCA AGAGCACCTGGGTGATCCTGCATCATAAAGGTGTACGATCTGACCAAGTTTCTCGAAGAGCATCCTGGTGG AGAAGAAGTCCTAAGAGAGCAAGCTGGGGTGATGCTACCGAGAATTTTGAGGACGTCGGGCACTCTACG GATGCACGAGAACTGTCCAAAACATACATCATCGGGAACTCCATCCAGATGACAGATCAAAGATAGCCA AGCCTTCGGATACTCTTATCACTACTGTGGAGTCTAATCCAGTTGGTGGACCAACTGGGTGATCCCAGC CATCTCAGCCCTGGCTGTAGCTCTGATGTATCGCCTCTACATGGCAGAAGATTGACTTGTCTCTCCGAAG CCGAAGAATAAAAGACTGCCCCAGAGCGGGGAGAAAAGAAGCCAGTGTTAATCACTTCCACTGACAGAA ACCTCCCCCTGAGAACGTAATTGTAATATATCTGTTTCCCTTTCCTCCTGTGCTAGTAGAACAAACAAGG GACTCTTTGACTCTTCAACTTTTCAAATGTGCCTTTTTACTCAACTTCATGGTGATGTTTCTTCACTAC ATAATTTACTTATTGTAACACGATCTTTTTAAATATATCTGGCTTGTAAAGTAAAAAAAAAAAAAAAAAAAA AAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_025797
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).



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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: [BC024341](#), [AAH24341](#)

RefSeq Size: 774 bp

RefSeq ORF: 405 bp

Locus ID: 109672

UniProt ID: [P56395](#)

Cytogenetics: 18 57.53 cM

Gene Summary: Cytochrome b5 is a membrane-bound hemoprotein functioning as an electron carrier for several membrane-bound oxygenases. It is also involved in several steps of the sterol biosynthesis pathway, particularly in the C-5 double bond introduction during the C-5 desaturation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1).