

Product datasheet for **RN202688**

Cyb561d2 (NM_001007753) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cyb561d2 (NM_001007753) Rat Untagged Clone
Tag: Tag Free
Symbol: Cyb561d2
Synonyms: MGC95239
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN202688 representing NM_001007753
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCTTTCTGTGGAGACGGAGTCGCACATCTACCGAGCTCTGCGCACTGCCTCCGGGGCTGCAGCCC
 ACCTTGTGGCGTTAGGGTTTACCATCTTCGTGGCTGTGCTTGCCAGACCTGGCTCCAGTCTATTCTCCTG
 GCATCCTGTTCTTATGTCTCTGGCTTTCTCCTCCTGATGACTGAAGCACTCCTGATGTTCTCTCCTGAG
 AGTTCACTGCTGCGTTCCTCTCAAGGAAGGTCGAGCACGCTGCCACTGGGTGCTACAGCTGCTAGCCC
 TACTCTGTGCTCTGCTGGTCTAGTCTCGTCATCCTCCACAAAGAGCAGCTTGCAAAGCACACCTGGC
 CACTCGACATGGGCAGGCAGGGCTGTTAGCTGTGCTGTGGCAGGTCTGCAGTGTTCAGGGGGTGTGGGG
 CTGCTCTACCCAAAGTTGCTGCCCGGTGGCCCTGGCAAACTGAAACTCTACCATGCCACTTCTGGGT
 TAGTGGGTACCTGCTGGGTAGTACCAGCCTCCTACTGGGCATGTGTTCACTCTGGTTCACCGCCAATGT
 CACTGGTGGTGCCTGGTACCTGGCTGTGTTGTGCCCATCCTCACCAGTTTGGTAATCATGAACCAAGTG
 AGCAATGCCTACTTATACCGCAAGAGGATCCAACCG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001007753
Insert Size: 669 bp



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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:	<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_001007753.1</u> , <u>NP_001007754.1</u>
RefSeq Size:	1500 bp
RefSeq ORF:	669 bp
Locus ID:	363137
UniProt ID:	<u>Q641Y1</u>
Cytogenetics:	8q32
Gene Summary:	Two-heme-containing cytochrome that catalyzes ascorbate-dependent trans-membrane ferric-chelate reduction.[UniProtKB/Swiss-Prot Function]