

Product datasheet for **MC211274**

Cyb561d1 (NM_028061) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cyb561d1 (NM_028061) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cyb561d1
Synonyms: 1600010M23Rik; A1605489; AW457162
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211274 representing NM_028061
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTTGGCGTTCTGTCTCTGCATGGCTGAAGCTATTCTACTTTCTCACCTGAGCACTCCCTGTTCT
TCTTCTGCTCTCGAAAAACCCGGATTCGACTCCACTGGGCAGGGCAGACCATGGCCATCCTCTGTGCTGT
CCTAGGCTTGGGTTTCATATTTCCAGCAAGATCCGAAGTGAGATGTCCATTTGGTGTCTGCGCACAGC
TGGATAGGAGCCTTGACACTGTTGGCCACTGGAGGACAGGCACTGTGTGGCTCTGCCTCCTCTGTCCAC
GAGCAGCCCGGTCTCAAGGGTGGCTCGCCTCAAGCTCTACCATCTGACGTGTGGCTGGTTGTCTACCT
GATGGCTACAGTAACGGTGTCTTTGGCATGTAAGTGTGTTCCAGGCCAGATCAAAGGTACAGCC
TGGTACCTGTGCTGGGACTACCATTGTACCCAGCCCTGGTGATCATGCACCAGATCTCCAGCTCCTACT
TGCCAAGGAAGAAGGTGGAGATA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_028061
Insert Size: 516 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_028061.1, NP_082337.1</u>
RefSeq Size:	4077 bp
RefSeq ORF:	516 bp
Locus ID:	72023
Cytogenetics:	3 F2.3
Gene Summary:	<p>Probable transmembrane reductase that may use ascorbate as an electron donor and transfer electrons across membranes to reduce monodehydro-L-ascorbate radical and iron cations Fe(3+) in another cellular compartment.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding region, compared to variant 1. These differences cause translation initiation from a downstream ATG and an isoform (2) with a shorter N-terminus, compared to isoform 1.</p>