

Product datasheet for **MC226518**

Cyb561a3 (NM_001282064) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cyb561a3 (NM_001282064) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cyb561a3
Synonyms: 2310004G04Rik; Cybasc3; Lcytb
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226518 representing NM_001282064
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTTCAGGATGGTTTTACCTGTCCTGCATGGTGCTGGGATCGCTGGGATCGATGTGCATCCTCTTCA
CTGCCTACTGGATGCAGTACTGGCGGGTGGCTTTGCCTGGGATGGCACGGTGCATGTTAACTGGCA
CCCAGTGTCTATGGTTGCCGGCATGGTGGTGTCTATGGAGCTGCCTCACTGGTGTACCGCTGCCTTCA
TCGTGGGTGGGGCCAGGCTGCCCTGAAAGTTCTCCATGCAGCACTGCACCTGTGGCCTTACCTGCA
CTGTGGTGGGGCTGATTGCCGTCTTTCGGTTTCAACCACTCGAGAATCGCACACCTCTACTCCCTGCA
CAGCTGGCTGGGTATCACCAGTGTAGTCTCTTCGCCTGCCAGTGGTTCCTGGGCTTTGCTGTCTTCTC
CTGCCCTGGGCATCCCAGTGGCTGCGAAGCCTCTGAAACCTCTGCATGTATTCTTTGGAGCCTGCATCC
TTTCCCTGTCCATCACATCTGTTATTTCCGGCATCAATGAGAAGCTTTTCTTTGTTTTGAAAAATGCCAC
CAAGCCCTACTCCAGCCTGCCTGGTGGGCTGTCTTTGCCAACAGCACAGGGCTCTTGGTGGTGGCTTTT
GGCTTGCTGGTTCTCTATGTTCTTCTGGCTTCATCATGGAAGCGTCCAGATCCAGGAGCTCTGACTGATA
GACAGCCCTGTTGCATGACAGGGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001282064
Insert Size: 729 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001282064.1, NP_001268993.1</u>
RefSeq Size:	3167 bp
RefSeq ORF:	729 bp
Locus ID:	225912
UniProt ID:	<u>Q6P1H1</u>
Cytogenetics:	19 A
Gene Summary:	Ferric-chelate reductase that reduces Fe(3+) to Fe(2+) before its transport from the endosome to the cytoplasm. Probably uses ascorbate as electron donor.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2, and 4 encode the same isoform (1).