

Product datasheet for **RN207285**

Cyb561a3 (NM_001014164) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cyb561a3 (NM_001014164) Rat Untagged Clone
Tag: Tag Free
Symbol: Cyb561a3
Synonyms: Cybasc3; RGD1304670
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN207285 representing NM_001014164
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCTTCGGGATGGTTTTACATGTCCTGCATGGTGCTGGGATCCCTGGGATCAATGTGCATCCTCTTCA
CTACCTACTGGATGCAGTACTGGCGGGTGGCTTTGCCTGGGATGGCACTGTGCTCATGTTCAACTGGCA
CCCAGTGCTCATGGTCTCCGGCATGGTGGTGTCTATGGAGCCGCCTCACTGGTGTACCGCTGCCTGCA
TCATGGGTGGGGCCCAAGCTGCCCTGAAAGTTCTCCATGCAGCACTGCACCTGCTGGCCTTCACCGTCA
CTGTTGTGGGGCTGACTGCCGTCTTGGGTTTCAACCAATTCAAAAATCACACACCTCTACTCGCTGCA
TAGCTGGCTGGGATCACCCTGTGCCCCCTCTCGCCTGCCAGTGGTTCCTGGGCTTTGCCGTCTTCTC
CTGCCCTGGGATCCCAGTGGCTGCGAAGCCTCCTGAAGCCTGTGCATGTCTTCTTTGGAGCCTGCATCC
TTTCCCTGTCCATCGCCTCTGTTATTTCTGGCATCAATGAGAAGCTCTTCTTTGTTTTGAAAAATGCCAC
CAGGCCTTACTCCAGCCTTCTGGTGAGGCTGTCTTTGCCAACAGCACAGGGATCTTGGTAGTGTCTTT
GGCTTGCTGGTTCTATATTCTTCTGGCTTCTCATGGAGACGTCCAGATCCAGGAGCTCTGACTGACA
GACAGGTATGGCTGCTTGTCTCCATTATAGTGGGATAAGGCCAAGAAGGCTTGCTTTGCACCTTGCTA
A

ACGCGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001014164
Insert Size: 771 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:	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_001014164.1, NP_001014186.1</u>
RefSeq Size:	2765 bp
RefSeq ORF:	771 bp
Locus ID:	361729
UniProt ID:	<u>Q5U2W7</u>
Cytogenetics:	1q43
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 (By similarity).[UniProtKB/Swiss-Prot Function]