

Product datasheet for **MR203184**

Cyb561 (NM_007805) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyb561 (NM_007805) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyb561
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203184 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCACAGTTCTGCGTCTGTCCCTGCTGCACTGCCGTACTATGTGGCCTTCTCCAGCTGCTGGGCC
 TCACTGTAGTGGCTGTGACTGGTGCCTGGCTGGGTCTGTACCGAGGTGGCATTGCCTGGGAAAGCTCCCT
 GCAGTTTAATGTGCACCCGCTCTGCATGGTCATAGGCATGATCTTCCTCAAGGAGATGCTCTGCTGGTG
 TACCGTGTCTTCAGAAGAGAAGCCAAACGCACGACCAAGATCTTCATGGGCTGCTGCACGTCTTCGCCT
 TCATCATCGCCCTGGTGGGTTGGTGGCTGTGTTTCGACTACCACAAGAAGAAGGGCTATGCAGACCTGTA
 CAGCTTGACAGCTGGTGTGGGATCTTAGTCTTTGTTCTGTACTTTGTGAGTGGCTCGTGGGTTTCAGC
 TTCTTCTGTTCCCTGGAGCTTCATTCTCTGCGGAGCCGCTACCGCCCTCAGCACATTTCTTTGGTG
 CCACCATCTTCTCTTCTCTGTGGGCACAGCCCTACTGGGCTGAAGGAGGCCCTGCTGTTAAATTGGG
 GTCCAAGTACAGCACGTTTGAACCTGAGGGGGTGTGGCCAACGTGCTAGGCTTGCTGCTGGTCTGTTTT
 GGGGTGGTTGTGCTCTACATCTTGGCTCAGGCTGACTGGAAGCGGCCCTCCAGGCTGAAGAGCAAGCCC
 TCTCCATGGACTTCAAGACACTACGGAGGGAGACAGCCCAAGTCCCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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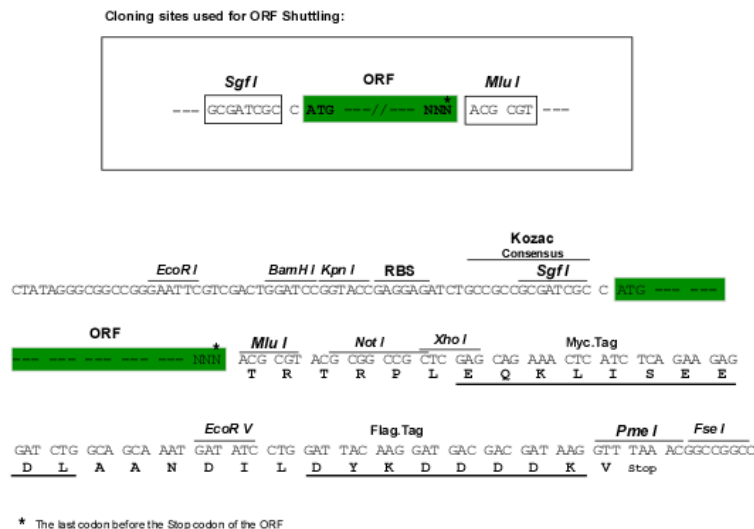
Protein Sequence: >MR203184 protein sequence
 Red=Cloning site Green=Tags(s)

MEHSSASVPAALPYVAFSPLLGLTVVAVTGAWLGLYRGGIAWESSLQFNVHPLCMVIGMIFLQGDALLV
 YRVFRREAKRTTKILHGLLHVFAFIIALVGLVAVFDYHKKGYADLYSLHSWCGILVFVL YFVQWLVGFS
 FFLFPGASFSLRSRYRPQHIFFGATIFLFSVGTALLGLKEALLFKLGSKYSTFEPEGVLANVLGLLLVCF
 GVVVLYILAQADWKRPSQAEEQALSMDFKTLTEGDSPSPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007805

ORF Size: 750 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_007805.5](#)

RefSeq Size: 2474 bp

RefSeq ORF: 753 bp

Locus ID: 13056

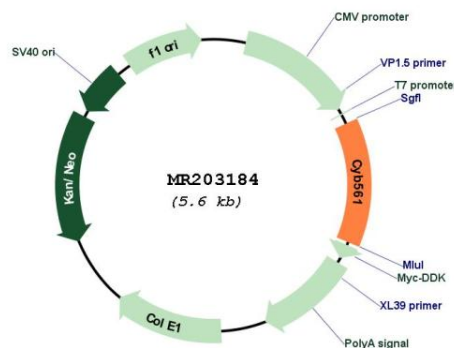
UniProt ID: [Q60720](#)

Cytogenetics: 11 68.81 cM

MW: 27.8 kDa

Gene Summary: Secretory vesicle-specific electron transport protein.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203184