

Product datasheet for **RN210590**

Cox7b (NM_182819) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cox7b (NM_182819) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cox7b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210590 representing NM_182819 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGCCCTTGGCCAAAAACGCACTAAGTCGTCTCCAAGTTCGAAGCATTACGCAAGTGGTGGCAAGGC
AGAGCCATCAGAAGAAGACACCTACTTTCCATGACAAATATGGAAATGCTGTATTAGCAGGTGGAAGCAT
CTTCTGTATTTCTGCATGGACATATACAGCCACACAAATTGGAATAGAATGGAACCTGTCCCCTGTTGGC
AGAGTCACCCCAAAGGAATGGAGAGATCAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_182819
Insert Size:	243 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).
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).



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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: [NM_182819.2](#), [NP_877971.2](#)

RefSeq Size: 473 bp

RefSeq ORF: 243 bp

Locus ID: 303393

UniProt ID: [P80431](#)

Cytogenetics: Xq22

Gene Summary: human homolog is a nuclear encoded, probably regulatory, subunit for cytochrome c oxidase, which transfers electrons from cytochrome c to oxygen as the terminal component of the mitochondrial respiratory chain [RGD, Feb 2006]