

Product datasheet for **RR210590**

Cox7b (NM_182819) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cox7b (NM_182819) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cox7b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210590 representing NM_182819
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTTGCCCTTGGCCAAAACGCACTAAGTCGTCTCCAAGTTCGAAGCATTAGCAAGTGGTGGCAAGGC
AGAGCCATCAGAAGAAGACACCTACTTTCCATGACAAATATGAAATGCTGTATTAGCAGGTGGAAGCAT
CTTCTGTATTTCTGCATGGACATATACAGCCACACAAATTGGAATAGAATGGAACCTGTCCCCTGTTGGC
AGAGTCACCCCAAAGGAATGGAGAGATCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210590 representing NM_182819
Red=Cloning site Green=Tags(s)

MLPLAKNALSRLQVRSIQVVARQSHQKKTPTFHDKYGNAVLAGGSIFCISAWTYTATQIGIEWNLSPVG
RVTPKEWRDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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|-------------------------------|---|
| 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: | <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: | NM_182819.2 , NP_877971.2 |
| RefSeq Size: | 473 bp |
| RefSeq ORF: | 243 bp |
| Locus ID: | 303393 |
| UniProt ID: | P80431 |
| Cytogenetics: | Xq22 |
| MW: | 9 kDa |
| 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] |