

## Product datasheet for **MR230479**

### Coch (NM\_001198835) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Coch (NM_001198835) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Coch
Synonyms:	AW122937; Coch-5B2; D12H14S564E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230479 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCCTCGTCCAGGATCCCTGCTCTGCTCGCTCGGTGCGTGGCTGCTGCTGCTGCTGCCCGGTTCCG  
 CGCGCGCCGAGGGAGCGGTTCCATTCCCTGTCACTGCTTTACCAGAGGCTGGATATCCGAAAAGAGAA  
 AGCAGATGTTCTCTGCCAGGAGCTGCTCTTGAGGAATTCTGTGTTGGAAACATAGTGTATGCG  
 TCAGTGTCCAGCATCTGCGGCGCTGCTGTCCATAGGGGAGTGATTGGCACCTCAGGGGACCTGTGCGTG  
 TCTACAGCCTTCTGGTCGAGAGAACTACTCTCGGTAGATGCCAACGGCATCCAGTCTCAGATGCTTTC  
 CCGATGGTCCGCGTCTTCGCTGTGACCAAGGCAAAAGCAGTACCCAGGAAGCCACAGGACGGGCAGTG  
 TCCACAGCCCACCCACCTTCAGTAAAAGACTAAAGAAGACACCAGAGAAGAAGACTGGCAACAAAGACT  
 GTAAGGCAGACATTGCATTTCTCATTGATGGAAGCTTCAATATTGGGCAGCGCCGATTTAATTTGCAGAA  
 GAATTTTGTGGAAAGTGGCACTAATGTTGGGAATTGGAACAGAAAGACCACACGTGGGTCTCGTTCAA  
 GCCAGTGAACACCCAAAATAGAATTTACTTGAAAACTTTACTTCAGCCAAAGATGTCTTGTGGCCAA  
 TAAAAGAAGTAGGTTTCCGAGGGGGTAACCTCAACACAGGAAAAGCCTTGAAGCACACTGCTCAGAAATT  
 CTTTACAGCAGACACTGGTGTGAGAAAAGGAATACCAAAAGTGGTGGTAGTGTATTATGATGTTGGCCC  
 TCTGATGACATTGAGGAAGCAGGCATTGTGGCCAGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGG  
 CCAAGCCCATTCCTGAAGAACTGGGGATGGTTCAGATGTTGCATTTGTTGACAAGGCTGTGTGTCGGAA  
 TAATGGCTTCTCTTTATCACATGCCAACTGGTTGGCACTACAAAATATGTGAAGCCTCTGGTGCAG  
 AAGCTCTGTACGCACGAACAGATGATGTGCAGCAAAACCTGCTACAACCTCAGTGAACATTGCCTTCTGA  
 TTGACGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCTCATGCTAGAATTTGTTTCTAACATAGCGAA  
 GACATTTGAAATCTCAGACATTGGAGCCAAGATAGCTGCTGTACAGTTCACTTATGACCAGCGCACCGAG  
 TTCAGTTTCACTGACTATAATACCAAGAGAAGCTCCTAGCTGTCTAGCGAACATCCGCTACATGAGTG  
 GTGGCACAGCTACTGGTGTGCCATCGCCTTTACTGTTAGAAATGTATTTGGTCCCATAAGGGACAGCCC  
 CAACAAAACCTCCTGGTTATTGTACAGATGGGCAGTCTATGATGATGTCGAGGCCCTGCTGCAGCT  
 GCCCATGATGCAGGTATCACCATCTTCTGTTGGTGTGGCTGGGCACCGCTGGATGACCTGAGAGATA  
 TGGCCTCTAAACCAAGAGTCACACGCTTTCTTACCAGAGAGTTCACAGGGTTAGAACCAATTGTCTC  
 TGACGTCATCAGAGGCATTTGTAGAGACTTCTTAGAATCCAGCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230479 protein sequence  
 Red=Cloning site Green=Tags(s)

MPSSRIPALCLGAWLLLLLLPRFARAEGAVPIPVTCFTRGLDIRKEKADVLCPPGCSLEEFVFGNIVYA  
 SVSSICGAAVHRGVIGTSGGPVRYSLPGRENYSSVDANGIQSQMLSRWSASFVTKGKSSSTQEATGRAV  
 STAHPPSGKRLKKTPEKKTGNKDKADIAFLIDGSFNIGQRRFNLQKNFVGKVALMLGIGTEGPHVGLVQ  
 ASEHPKIEFYLNFTSAKDVLFATKEVGFRRGNSNTGKALKHTAQKFFADTGVRKGIKVVVVVFDGWP  
 SDDIEEAGIVAREFGVNVFIVSVAKPIPEELGMVQDVAFVDKAVCRNNGFFSYHMPNWFGTTKYVKPLVQ  
 KLCTHEQMMCSKTCYNSVNI AFLIDGSSSVGDSNFRLMLEFVSNI AKTFEISDIGAKIAAVQFTYDQRTE  
 FSFTDYNTKENVLAVLANIRYMSGGTATGDIAIAFTVRNVFGPIRDSPNKNFLVIVTDGQSYDDVRGPAAA  
 AHDAGITIFSVGVAWAPLDDLDMASKPKESHAFFTREFTGLEPIVSDVIRGICRDFLESQQ

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001198835

**ORF Size:** 1659 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.

**RefSeq:** [NM\\_001198835.1](#), [NP\\_001185764.1](#)

**RefSeq Size:** 2484 bp

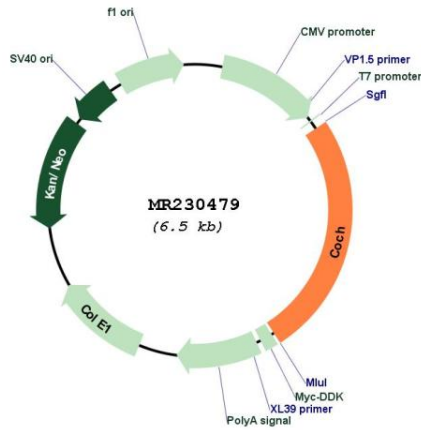
**RefSeq ORF:** 1659 bp

**Locus ID:** 12810

**UniProt ID:** [Q62507](#)

**Cytogenetics:** 12 22.11 cM  
**MW:** 59.9 kDa  
**Gene Summary:** Plays a role in the control of cell shape and motility in the trabecular meshwork.  
 [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR230479