

## Product datasheet for **MG208757**

### Coch (NM\_007728) Mouse Tagged ORF Clone

#### Product data:

|                           |                                         |
|---------------------------|-----------------------------------------|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Coch (NM_007728) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                |
| Symbol:                   | Coch                                    |
| Synonyms:                 | AW122937; Coch-5B2; D12H14S564E         |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-AC-GFP (PS100010)                 |
| E. coli Selection:        | Ampicillin (100 ug/mL)                  |



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**ORF Nucleotide  
Sequence:**

>MG208757 representing NM\_007728  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGCCCTCGTCCAGGATCCCTGCTCTCTGCTCGGTGCGTGGCTGCTGCTGCTGCTGCCCGGTTTCG  
 CGCGCGCCGAGGGAGCGGTTCCATTCCCTGTCACTGCTTTACCAGAGGCTGGATATCCGAAAAGAGAA  
 AGCAGATGTTCTCTGCCAGGAGCTGCTCTCTGAGGAATTCTCTGTGTTGGGAACATAGTGTATGCG  
 TCAGTGTCCAGCATCTGCGGCGCTGCTGTCCATAGGGGAGTGATTGGCACCTCAGGGGACCTGTGCGTG  
 TCTACAGCCTTCTGGTCGAGAGAACTACTCTCGGTAGATGCCAACGGCATCCAGTCTCAGATGCTTTC  
 CCGATGGTCCGCGTCTTCGCTGTGACCAAGGCAAAAGCAGTACCCAGGAAGCCACAGGACGGGCAGTG  
 TCCACAGCCCACCCACCTTCAGGTAAAAGACTAAAGAAGACACCAGAGAAGAAGACTGGCAACAAAGACT  
 GTAAGGCAGACATTGCATTTCTCATTGATGGAAGCTTCAATATTGGGCAGCGCCGATTTAATTTGCAGAA  
 GAATTTTGTGGGAAAGTGGCACTAATGTTGGGAATTGGAACAGAAGGACCACACGTGGGTCTCGTTCAA  
 GCCAGTGAACACCCCAAAATAGAATTTTACTTGAAAACTTTACTTCAGCCAAAGATGTCTTGTGGCCA  
 TAAAAGAGTAGGTTTCCGAGGGGGTAACTCCAACACAGGAAAAGCCTTGAAGCACACTGCTCAGAAATT  
 CTTTACAGCAGACACTGGTGTGAGAAAAGGAATACCAAAAGTGGTGGTAGTGTATTATGATGGTTGGCC  
 TCTGATGACATTGAGGAAGCAGGCATTGTGGCCAGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGG  
 CCAAGCCCATTCTGAAGAACTGGGGATGGTTCAAGATGTTGCATTTGTTGACAAGGCTGTGTGTCGGAA  
 TAATGGCTTCTTCTTTATCACATGCCCAACTGGTTTGGCACTACAAAATATGTGAAGCCTCTGGTGCAG  
 AAGCTCTGTACGCACGAACAGATGATGTGCAGCAAAACCTGCTACAACCTCAGTGAACATTGCCTTTCTGA  
 TTGACGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCTCATGCTAGAAATTTGTTTCTAACATAGCGAA  
 GACATTTGAAATCTCAGACATTGGAGCCAAGATAGCTGCTGTACAGTTCACTTATGACCAGCGCACCGAG  
 TTCAGTTTCACTGACTATAATACCAAGAGAACGTCTAGCTGTCTAGCGAACATCCGCTACATGAGTG  
 GTGGCACAGCTACTGGTGTATGCCATCGCCTTTACTGTTAGAAATGTATTTGGTCCATAAGGGACAGCCC  
 CAACAAAACCTTCTGGTTATTGTACAGATGGCAGTCTATGATGATGTCCGAGGCCCTGCTGCAGCT  
 GCCCATGATGCAGGTATCACCATCTTCTGTTGGTGTGGCTGGGCACCGCTGGATGACCTGAGAGATA  
 TGGCCTCTAAACCAAGAGTCACACGCTTTCTTTACCAGAGAGTTCACAGGGTTAGAACCAATTGTCTC  
 TGACGTCATCAGAGGCATTGTAGAGACTCTTAGAATCCAGCAA

**ACGCGT**ACGCGGCGGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208757 representing NM\_007728  
 Red=Cloning site Green=Tags(s)

MPSSRIPALCLGAWLLLLLLPRFARAEGAVPIPVTCFTRGLDIRKEKADVLCPPGCSLEEFVFGNIVYA  
 SVSSICGAHVHRGVIGTSGGPVRYSLPGRENYSSVDANGIQSMLSRWSASFAVTKGKSSTQEATGRAV  
 STAHPPSGKRLKKTPEKKTGNKDCKADIAFLIDGSFNIGQRRFNLQKNFVGKVALMLGIGTEGPHVGLVQ  
 ASEHPKIEFYLNFTSAKDVLFAIKEVGFRRGNSNTGKALKHTAQKFFADTGVRKGIPKVVVVFIDGWP  
 SDDIEEAGIVAREFGVNVFIVSVAKPIPEELGMVQDVAFVDKAVCRNNGFFSYHMPNWFGTTKYVKPLVQ  
 KLCTHEQMMSKTCYNSVNIAFLIDGSSSVGDSNFRLMEFVSNIKTFEISDIGAKIAAVQFTYDQRT  
 FSFTDYNTKENVLAVLANIRYMSGGTATGDAIAFTVRNVFGPIRDSNPNKFLVIVTDGQSYDDVRGPAAA  
 AHDAGITIFSVGVAWAPLDDLDMASKPKESHAFFTREFTGLEPIVSDVIRGICRDFLESQQ

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

## Cloning Scheme:



ACCN: NM\_007728

ORF Size: 1656 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\\_007728.5](#)

RefSeq Size: 2570 bp

RefSeq ORF: 1659 bp

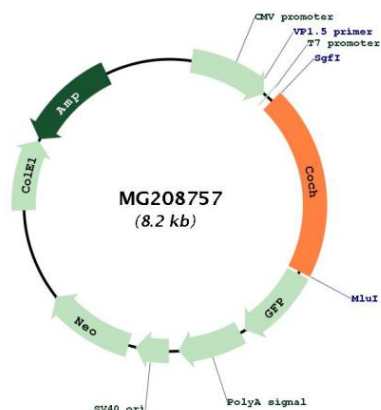
Locus ID: 12810

UniProt ID: [Q62507](#)

Cytogenetics: 12 22.11 cM

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 MG208757