

Product datasheet for **MR226296**

Colq (NM_009937) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Colq (NM_009937) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Colq
Synonyms:	A130034K24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR226296 representing NM_009937
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGGTCTGAATCCAATGACTTTGGGAATTTATCTCCAACCTCTTCTCTGCTCCATCGTGTCTCAGC
 CAACTTTTCATCAACAGTGTGGTCCCAATCTCAGCAGCCCTTCTGGCCTGGATCAGAAGAAGCGGGCAG
 CCACAAAGCATGCTGCCTACTCATGCCCCACCGCCCACTCTCCACCGCCGTTCTTTCAGAGGCAGC
 CGGAGCCCGCTTCTCTCCCCAGACATGAAGAACCTTCTGGAACCTGAGGCGTCACCATCACCTGCATTC
 AAGGCTCGCTCGGCTCTCTGGGCCCTGGGCCAGGGTCCACCTGGGCTTCTGGCAAGACAGGACC
 AAAGGGAGAAAAGGGGACCTTGGCCGCCAGGAAGGAAGGTAGACCTGGACCCCAAGTGTCTCTGGC
 ATGCTGGGCCGTTGGCTGGCCAGGCCCTGAAGGACCCAGGGTAAAAAGGTGACCTGGGTATGATGG
 GCCTGCCGGGTCAAGAGACCGATGGGCTCTAAGGGTTCCCTGGATCCAGAGGGGAAAAGGGATCCAG
 AGGTGAAAGGGTGACTTGGGTCCAAAGGAGAAAAGGGTTTCCCTGGGTTTCTGGAATGCTGGGGCAG
 AAAGGTGAAATGGGTCCAAGGGAGAGTCTGGGCTGGCAGGACACCGAGGCCCCACAGGAAGACCAGGAA
 AACGAGGCAAGCAGGGTCAAGGGAGACAGTGAATTATGGGCCACCAGGCAAGCCTGGGCCTTCTGG
 TCAACCTGGCCGTCAAGGTCTCCAGGGCCCCAGGCCACCATCTGCAGGACAACCTTGAATGGGACTC
 AAAGGGAAAAGAGGATTTCCAGGGCCTCCAGGAAGATGCCTTGGCGACCCCTGTGAATGTGAATAACC
 CCTCTACGGGGACTCCATGTATGGCGTGGCTCCCCTCGAGTTCCTGCGATTTTGTGGTCAACAACCA
 GGAAGAGCTTGAGAGGCTGAACACTCAGAATGCCATTGCCTTTCGAAGAGACCAGCGATCTTGTACTTC
 AAAGATAGCCTTGGCTGGCTCCCATCCAGCTCACCCCTTCTACCCTGTGGGTTACACCGTGAAGCAGC
 CTGGCACCTGCGGGGATGGAGTCTGCAGCTGGGGAAGAGTGTGATGATGGAATCCCGATGTGAGTGA
 TGGCTGCATCGACTGTATCGGGCCTACTGTGGAGACGGTTACCGGCACCAGGGCGTGGAGGACTGTGAC
 GGCTCTGACTTTGGCTACCTGACATGCGAGACCTATCTCCTGGATCATACGGAGACCTTCGGTGCACCC
 AGTACTGCTCCATCGACTCCACACCCTGCCGCTACTTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226296 representing NM_009937
 Red=Cloning site Green=Tags(s)

MVVLNPMTLGIYQLFFCSIVSQPTFINSVVPISAALPGLDQKKRGSHKACLLMPPPPPLFPPPPFRGS
 RSPLLSPDMKNLLELEASPSPIQGSLSPPGPPGPPGLPGKTGPKGEKGDGRPGRKGRPPGVPV
 MPGPVWPVPEGPRGEKGDLMGMLPGSRGPMGSKGFPGSRGEKGSRGERGDLGPKGEKGFPGMGLGQ
 KGEMPKGESGLAGHRGPTGRPGKRGKQKQKGDGSGIMPPGKPGPSGQGRQPPGPPGPPSAGQLVMGL
 KGERGFPPGRCLCGPPVNVNNSYGDSDMYGRGSPRVPVAFVNNQEELERLNTQNAIAFRRDQRLYF
 KDSLGLWLPQLTPFYVGYTVKQPGTCGDVLPQGECDGNDVSDGCDCHRAYCGDGYRHQGVEDCD
 GSDFGYLTCETYLPGSYDLRCTQYCSIDSTPCRYFT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_d06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009937

ORF Size: 1371 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_009937.2](#), [NP_034067.2](#)
RefSeq Size: 2835 bp

RefSeq ORF: 1374 bp

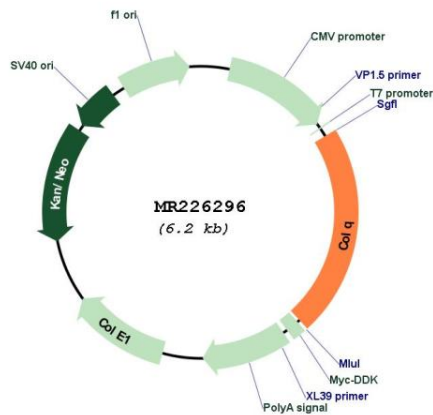
Locus ID: 382864

UniProt ID: [O35348](#)
Cytogenetics: 14 B

MW: 48.1 kDa

Gene Summary: Anchors the catalytic subunits of asymmetric AChE to the synaptic basal lamina.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226296