

Product datasheet for **SC303680**

COLQ (NM_005677) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COLQ (NM_005677) Human Untagged Clone
Tag:	Tag Free
Symbol:	COLQ
Synonyms:	CMS5; EAD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005677 edited
 TAACTTGACCCTCGCCAGACCCTGGCCAGCATGGTTGTCCTGAATCCAATGACTTTGGGA
 ATTTATCTTCAGCTTTTCTTCTCTATCGTGTCTCAGCCGACTTTCATCAACAGCGTT
 CTTCCAATCTCAGCAGCCCTTCCCAGCCTGGATCAGAAGAAGCGTGGTGGCCACAAAGCA
 TGCTGCCTGCTGACGCCTCCTCCACCACCACTGTTCCACCACCATTCTCAGAGGTGGC
 CGAAGTCCGCTTCTCTCCCAGACATGAAGAATCTCATGCTGGAAGTGGAGACCTCGCAG
 TCCCCGTGCATGCAAGGCTCGCTAGGCTCCCCTGGGCCTCCCGGCCCCAGGGTCCACCG
 GGGCTTCTGGCAAGACAGGACCAAGGGAGAAAAGGGGAGCTTGGCCGACCAGGAAGG
 AAGGGTAGACCTGGCCCCCAGGTGTTCTGGCATGCCTGGGCCATCGTTGGCCAGGC
 CCTGAAGGACCCAGGGTGAAAAAGGTGACCTGGGTATGATGGGCTTGCCAGGGTCAAGA
 GGACCAATGGGCTCCAAGGGCTACCCTGGATCCAGAGGGGAAAAGGGATCCAGAGGTGAA
 AAGGGTGACCTGGGTCCCAAAGGAGAAAAGGGTTTCCCAGGATTTCTTGAATGTTGGGG
 CAGAAAGGTGAAATGGGTCCAAAAGGTGAACCTGGGATAGCAGGACACCGAGGCCACA
 GGAAGACCAGGAAAACGAGGCAAGCAGGGACAGAAAAGGGGATAGTGGAGTTATGGGCCCA
 CCAGGCAAGCCTGGGCCTTCTGGTCAACCTGGCCGTCCGGGGCCCCCAGGCCCCCACT
 GCAGGACAACCTATAATGGGACCCAAAGGGGAAAGAGGATTTCCCAGGCTCCAGGAAGA
 TGTCTTTGTGGACCCACTATGAATGTGAATAACCCTTCTACGGGGAATCTGTGTATGGG
 CCCAGTTCCCCGCGAGTTCCTGTGATTTTTGTGGTCAACAACCAGGAGGAGCTTGAGAGG
 CTGAACACCCAAAACGCCATTGCCTTCCGCAGAGACCAGAGATCTGTACTTCAAGGAC
 AGCCTTGGCTGGCTCCCATCCAGCTGACCCCTTCTACCCTGTGGATTACACTGCAGAC
 CAGCACGGCACCTGTGGGATGGGCTCCTGCAGCCTGGGGAGGAGTGTGACGACGGTAAC
 AGCGATGTGGGTGACGACTGCATCCGCTGTACCGTGCCTACTGTGGAGATGGTCACCGG
 CATGAGGGTGTGGAGGACTGTGACGGCTCTGACTTTGGCTACCTGACATGCGAGACCTAT
 CTCCTGGGTGATATGGAGACCTGCAATGCACCCAGTACTGCTACATCGACTCCACGCC
 TGCCGCTACTTACCTGAGGGCCGTGAGGAGAAGGTGGGCTGCGCCCCACAGAACTGGCA
 GCAGCTTC



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Restriction Sites:	Please inquire
ACCN:	NM_005677
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).
OTI Annotation:	The ORF of this clone is found to be a perfect match to NM_005677.2.
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_005677.2 , NP_005668.2
RefSeq Size:	3011 bp
RefSeq ORF:	1368 bp
Locus ID:	8292
UniProt ID:	Q9Y215
Cytogenetics:	3p25.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This gene encodes the subunit of a collagen-like molecule associated with acetylcholinesterase in skeletal muscle. Each molecule is composed of three identical subunits. Each subunit contains a proline-rich attachment domain (PRAD) that binds an acetylcholinesterase tetramer to anchor the catalytic subunit of the enzyme to the basal lamina. Mutations in this gene are associated with endplate acetylcholinesterase deficiency. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (l) encodes the longest protein.</p>