

Product datasheet for **SC310825**

CHRNA1 (NM_001039523) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHRNA1 (NM_001039523) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHRNA1
Synonyms:	ACHRA; ACHRD; CHRNA; CMS1A; CMS1B; CMS2A; FCCMS; SCCMS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001039523 edited
 ACAAGCTCCGGTAGCCCATGGAGCCCTGGCCTCTCCTCCTGCTCTTTAGCCTTTGCTCAG
 CTGGCCTCGTCTGGGCTCCGAACATGAGACCCGCTGGTGGCAAAGCTATTTAAAGACT
 ACAGCAGCGTGGTGGCCAGTGGAAAGACCACCGCCAGGTCGTGGAGGTACCCGTGGGCC
 TGCAGCTGATACAGCTCATCAATGTGGATGAAGTAAATCAGATCGTGACAACCAATGTGC
 CTTTGTTCATCTGCAGAAATGAGCAATGGGTGGATTACAACCTAAAATGGAATCCAG
 ATGACTATGGCGGTGTGAAAAAATTACATTCCTTCAGAAAAGATCTGGCGCCAGACC
 TTGTTCTCTATAACAATGCAGATGGTGACTTTGCTATTGTCAAGTTCACCAAAGTCTCC
 TGCAGTACACTGGCCACATCACGTGGACACCTCCAGCCATCTTTAAAAGTACTGTGAGA
 TCATCGTCACCCACTTTCCCTTTGATGAACAGAAGTGCAGCATGAAGCTGGGCACCTGGA
 CCTACGACGGCTCTGTCTGGCCATCAACCCGAAAGCGACCAGCCAGACCTGAGCAACT
 TCATGGAGAGCGGGGAGTGGGTGATCAAGGAGTCCCGGGGCTGGAAGCACTCCGTGACCT
 ATTCCTGTGCCCGACACCCCTACCTGGACATCACCTACCCTTCGTATGCAGCGCC
 TGCCCTCTACTTCATCGTCAACGTCATCATCCCCTGCCTGCTTCTCCTTCTTAACTG
 GCCTGGTATTCTACCTGCCACAGACTCAGGGGAGAAGATGACTCTGAGCATCTCTGTCT
 TACTGTCTTTGACTGTGTTCTTCTGGTCATCGTGGAGCTGATCCCCTCCACGTCCAGTG
 CTGTGCCCTTGATTGGAAAATACATGCTGTTACCATGGTGTTCGTCATTGCCTCCATCA
 TCATCACTGTCTCGTCAACACACACCACCGCTCACCCAGCACCCATGTCATGCCCA
 ACTGGGTGCGGAAGGTTTTATCGACACTATCCCAAATATCATGTTTTTCTCCACAATGA
 AAAGACCATCCAGAGAAAAGCAAGACAAAAGATTTTTACAGAAGACATTGATATCTCTG
 ACATTTCTGAAAGCCAGGGCTCCACCCATGGGCTTCCACTCTCCCCTGATCAAACACC
 CCGAGGTGAAAAGTGCCATCGAGGGCATCAAGTACATCGCAGAGACCATGAAGTCAGACC
 AGGAGTCTAACCAATGCGCGGCAGAGTGAAGTACGTTGCAATGGTGTGAGCCACATAC
 TCCTCGGAGTCTTCATGCTTGTTCATCATCGGAACCTAGCCGTGTTTGCAGGTGCGAC
 TCATTGAATTAATCAGCAAGGATGAGCAGAAAATGAGCTGAGCTTAGCTCTGCCCTGGA
 ACCTACCAGAGCAGAGAAGGGCAGGAGGAAGATTTGTCTACTTGCTCCACTCGCACTT
 ATCAAACGTG

Restriction Sites: Please inquire

ACCN: NM_001039523

Insert Size: 1449 bp

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: This clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_001039523.1.

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_001039523.1](#), [NP_001034612.1](#)

RefSeq Size: 2040 bp

RefSeq ORF: 1449 bp

Locus ID: 1134

UniProt ID: [P02708](#)

Cytogenetics: 2q31.1

Protein Families: Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

Gene Summary: The muscle acetylcholine receptor consists of 5 subunits of 4 different types: 2 alpha subunits and 1 each of the beta, gamma, and delta subunits. This gene encodes an alpha subunit that plays a role in acetylcholine binding/channel gating. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Nov 2012]

Transcript Variant: This variant (1) represents the longer transcript, and encodes the longer isoform (a).