

## Product datasheet for **SC119700**

### CHRND (NM\_000751) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHRND (NM_000751) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHRND
Synonyms:	ACHRD; CMS2A; CMS3A; CMS3B; CMS3C; FCCMS; SCCMS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC119700 representing NM\_000751.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGGGGCCAGTGTGACACTGGGGCTGTGGCTGCCCTGGCGGTGTGTGGCAGCTGGGGCTGAAC
GAGGAGGAGCGGCTGATCCGGCACCTGTTCAAGAGAAGGGCTACAACAAGGAGCTCCGGCCGTGGCA
CACAAAGAGGAGAGTGTGGACGTTGCCCTGGCCCTCACACTCTCCAACCTCATCTCCCTGAAAGAAGTT
GAGGAGACCCCTACTACCAATGTGTGGATAGAGCACGGCTGGACAGACAACCGGCTGAAGTGAATGCT
GAAGAATTTGAAACATCAGTGTCTGCGCCTCCCCCGGACATGGTGTGGCTCCAGAGATTGTGCTG
GAGAACAACAATGACGGCTCCTTCCAGATCTCCTACTCCTGCAACGTGCTTGTCTACCACTACGGCTTC
GTGTACTGGTGGCACCTGCCATCTTCCGCTCCTCCTGCCCATCTGTGCACCTATTTCCCTTCGAC
TGGCAGAACTGCTCCCTCAAGTTCAGTTCCTCAAGTATACGGCCAAAGAGATCACCTGAGCCTGAAA
CAGGATGCCAAGGAGAACCGCACCTACCCCGTGGAGTGGATCATCATTGATCCTGAAGGCTTACAGAG
AACGGGGAGTGGGAGATAGTCCACGGCCGGCCAGGGTCAACGTGGACCCAGAGCCCTCTGGACAGC
CCAGCCGCCAGGACATCACCTTACCTCATCATCCGCCGAAGCCCTTCTACATCATCAACATC
CTGGTGCCTGCGTGCTCATCTCCTTATGGTCAACCTGGTCTTCTACCTACCGGCTGACAGTGGTGAG
AAGACATCAGTGGCCATCTCGGTGCTCCTGGTCACTGTCTTCTGCTGCTCATCTCCAAGCGTCTG
CCTGCCACATCCATGGCCATCCCCCTTATCGGCAAGTTCCTGCTCTTCCGCATGGTGTGGTCCCATG
GTTGTGGTGATCTGTGTCATCGTGTCAACATCCACTCCGAACACCCAGCACCCATGTGCTGTCTGAG
GGGGTCAAGAAGCTTCTTGGAGACCTGCCGGAGCTCCTGCACATGTCCGCCAGCAGAGGATGGA
CCCAGCCCTGGGGCCCTGGTGGGAGGAGCAGCTCCCTGGGATACATCTCAAGCCGAGGAGTACTTC
CTGCTCAAGTCCCGCAGTGACCTCATGTTTCGAGAAGCAGTCAGAGCGGCATGGGCTGGCCAGGCGCTC
ACCCTGCACGCCGGCCCGCCAGCAAGCTCTGAGCAGGCCAGCAGGAACCTTCAATGAGCTGAAGCCA
GCTGTGGATGGGCAAACTTCATTGTTAAACACATGAGGGACCAGAACAATTACAATGAGGAGAAAGAC
AGCTGGAACCGAGTGGCCCGCACAGTGGACCGCTCTGCCTGTTTGTGGTACGCTGTGATGGTGGTG
GGCACAGCCTGGATCTTCTGCAGGGGCTTACAACCAGCCACCACCCAGCCTTTCTGGGGACCC
TACTCTACAACGTGCAGGACAAGCGTTCATCTAG
ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC

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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_000751

**Insert Size:** 1554 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).

**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:	<u>NM_000751.1</u>
RefSeq Size:	1741 bp
RefSeq ORF:	1554 bp
Locus ID:	1144
UniProt ID:	<u>Q07001</u>
Cytogenetics:	2q37.1
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
MW:	58.9 kDa
Gene Summary:	<p>The acetylcholine receptor of muscle has 5 subunits of 4 different types: 2 alpha and 1 each of beta, gamma and delta subunits. After acetylcholine binding, the receptor undergoes an extensive conformation change that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. Defects in this gene are a cause of multiple pterygium syndrome lethal type (MUPSL), congenital myasthenic syndrome slow-channel type (SCCMS), and congenital myasthenic syndrome fast-channel type (FCCMS). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>