OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC332438

CHRND (NM_001256657) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: CHRND (NM_001256657) Human Untagged Clone

Tag: Tag Free

Symbol: CHRND

Synonyms: ACHRD; CMS2A; CMS3A; CMS3B; CMS3C; FCCMS; SCCMS

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC332438 representing NM_001256657.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAGGGGCCAGTGCTGACACTGGGGCTGCTGGCTGCCCTGGCGGTGTGTGGCAGCTGGGGGCTGAAC
GAGGAGGAGCGGCTGATCCGGCACCTGTTTCAAGAGAAGGGCTACAACAAGGAGCTCCGGCCCGTGGCA
CACAAAGAGGAGAGTGTGGACGTTGCCCTGGCCCTCACACTCTCCAACCTCATCTCCCTGGGCTGGACA
GACAACCGGCTGAAGTGGAATGCTGAAGAATTTGGAAACATCAGTGTCCTGCGCCTCCCCCCGGACATG
GTGTGGCTCCCAGAGATTGTGCTGGAGAACAACAATGACGGCTCCTTCCAGATCTCCTACTCCTGCAAC
GTGCTTGTCTACCACTACGGCTTCGTGTACTGGCTGCCACCTGCCATCTTCCGCTCCTCCTGCCCCATC
TCTGTCACCTATTTCCCCTTCGACTGGCAGAACTGCTCCCTCAAGTTCAGTTCCCTCAAGTATACGGCC
AAAGAGATCACCCTGAGCCTGAAACAGGATGCCAAGGAGAACCGCACCTACCCCGTGGAGTGGATCATC
ATTGATCCTGAAGGCTTCACAGAGAACGGGGAGTGGGAGATAGTCCACCGGCCGGCCAGGGTCAACGTG
GACCCCAGAGCCCCTCTGGACAGCCCCAGCCGCCAGGACATCACCTTCTACCTCATCATCCGCCGCAAG
CCCCTCTTCTACATCATCAACATCCTGGTGCCCTGCGTGCTCATCTCCTTCATGGTCAACCTGGTCTTC
TACCTACCGGCTGACAGTGGTGAGAAGACATCAGTGGCCATCTCGGTGCTCCTGGCTCAGTCTGTCTTC
CTGCTGCTCATCTCCAAGCGTCTGCCTGCCACATCCATGGCCATCCCCCTTATCGGCAAGTTCCTGCTC
TTCGGCATGGTGCTGGTCACCATGGTTGTGGTGATCTGTGTCATCGTGCTCAACATCCACTTCCGAACA
CCCAGCACCCATGTGCTGTCTGAGGGGGTCAAGAAGCTCTTCCTGGAGACCCTGCCGGAGCTCCTGCAC
ATGTCCCGCCCAGCAGAGGATGGACCCAGCCCTGGGGCCCTGGTGCGGAGGAGCAGCTCCCTGGGATAC
ATCTCCAAGGCCGAGGAGTACTTCCTGCTCAAGTCCCGCAGTGACCTCATGTTCGAGAAGCAGTCAGAG
CGGCATGGGCTGGCCAGGCGCCTCACCACTGCACGCCGGCCCCCAGCAAGCTCTGAGCAGGCCCAGCAG
GAACTCTTCAATGAGCTGAAGCCAGCTGTGGATGGGGCAAACTTCATTGTTAACCACATGAGGGACCAG
AACAATTACAATGAGGAGAAAGACAGCTGGAACCGAGTGGCCCGCACAGTGGACCGCCTCTGCCTGTTT
GTGGTGACGCCTGTCATGGTGGTGGGCACAGCCTGGATCTTCCTGCAGGGCGTTTACAACCAGCCACCA
CCCCAGCCTTTTCCTGGGGACCCCTACTCCTACAACGTGCAGGACAAGCGCTTCATCTAG

Restriction Sites: SgfI-MluI

ACCN: NM_001256657

Insert Size: 1509 bp

View online »

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:	NM_001256657.1
RefSeq Size:	2918 bp
RefSeq ORF:	1509 bp
Locus ID:	1144
UniProt ID:	Q07001
Cytogenetics:	2q37.1
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
MW:	57.1 kDa
Gene Summary:	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] Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to 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.