

Product datasheet for **SC328897**

C2CD6 (NM_001168217) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	C2CD6
Synonyms:	ALS2CR11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>SC328897 representing NM_001168217.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGCCACCCCAAGAGACAAATAGGCCTTTCAGCAGCTTGATAACCGCAGCGGGCAGGTCCAAGTC
CTGTCCGCCACCCCGCTATTGCAGAGGAATCCCTACAGCAGCCGGATATCATGCACATTAAAGGGTCG
GAGGCTTCTTCGGTCCCTTACGCCCTGAACCAGGGCAGCAGGCCCTGCCTAAGAACAGAACCAGGAG
GGCACCAGGGCACCAGGCTGCTGAACATGCTGAGAAAACTCTTAAAGAGTCTGATAGTGAAGAACTGGAA
ATAACACAGAGACACCAAAATTTGGTGCCATTTGGGGATGTGGTTGGCTGCCTGGGCATTTCATATAAAG
AACTGCAGACATTTTATGCCTAAGATCAGTTTACAACATTATGCTAATTTATTCATTCGCATCTCTATA
AACAAAGCTGTGAAATGTACAAAAATGTGTAGCTTGCTATCCAAAAACGATGAGAAAGAACACTGTAAAT
AAGTTCGATGAAGTGAAGTATTTTTCTGTACAGGTTCCAGACGTTATGATGATAAGCGGAATAATATT
TTATTGGAACATACAAATATGACAAATAGAGAAAAACGTGCTTTCTTGTAGGGAGTGTTCAGATACAT
CTTTATGAGGTAAATCAGAAAGGGTGCTTCATTGAAGAGGTCCAAGTGTTCATGGAACATATTTGTC
TGCAGGCTGGAGGTGGAATTTATGTTCTCCTATGGAACTTTGGTTATGGATTTTCACATCAGTTAAAA
CCTCTTCAGAAAATTACTGAGCCATCCATGTTTATGAATCTTGACACACCTCCAGAAAGAACAGATCCC
GTGACAAAAGTTATTACACCACAGACAGTAGAATATCCAGCATTCTTATCCCCAGACCTGAATGTTACT
GTTGGGACTCCAGCTGTGCAATCCTCCAACCAGCCATCTGTAGTGCAGCTTGAAGAACTTCAGCAACAA
CCCCGGGAAAGGCTGGAAGAGATGAAAAAGAAATATAGAAATCTGAATACATGGATAGATAAAGCTAAC
TATTTAGAAAGCATTCTAATGCCAAAATTGGAACATAAGGATTCTGAGGAACTAATATAGATGAGGCA
TCTGAAACACGAAAGTAATCATCTGAAGAGGAGCTTGAAGATATTGTAGGAGTAGATATCCCTCTT
GTAAATGAGGAAGCTGAACTACTGCAATGAGTTACTGGATAATGATTCTGAGAAAGGCCTGACTATA
CCAACCTTTGAACCAATCGGACCAAGATAATTCAACTGCTGATGCTTCTAAAAATGATGAATCAACACCT
TCACCCACAGAAGTGCACTCATTGTGCACTATTCTAACCAGGAAACAATAAAGCAGGCAGAAATACCA
CCTTTAGGTGAACGTCAATCAGAAAGCATGCCAGACAGAAAAATGAAAAATGTATTTTTCCATTAGAA
GTAAATTTAAAGATACTATCCAAGCATTTTAAAGCAGACTCATCTCTATCAGAGGTAAATTTGAGG
AGTATCTGTATAAATCCAAGAGCAGGAACCTTAGATTATCTCCAACAGAAATTAGCTGGCAAAACAAC
AATCTAACTTAGCTGAAAGGGAGAACACAGGCTTAGTTCCACCAGATTTAAAAATTTAAAGGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites:

SgfI-MluI

ACCN:

NM_001168217

Insert Size:

1653 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001168217.1</u>
RefSeq Size:	3285 bp
RefSeq ORF:	1653 bp
Locus ID:	151254
UniProt ID:	<u>Q53TS8</u>
Cytogenetics:	2q33.1
MW:	62.4 kDa
Gene Summary:	An autosomal recessive form of juvenile amyotrophic lateral sclerosis was originally mapped to a region of chromosome 2 that includes this gene. The encoded protein contains a calcium-dependent membrane targeting C2 domain. This domain is often found in proteins that are involved in membrane trafficking and signal transduction. [provided by RefSeq, Jun 2016] Transcript Variant: This variant (3) differs in the 3' UTR and 3' coding region, compared to variant 1. It encodes isoform 3 which has a shorter and distinct C-terminus 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.