

Product datasheet for **SC123257**

C2CD6 (NM_152525) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	C2CD6
Synonyms:	ALS2CR11
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:

>OriGene sequence for NM_152525 edited
 AGCGGGCCGTCGGTTGGGCGCAGACAGGCCGAGAGATGGAGAGATGGAGCCACCCCAA
 GAGACAAATAGGCCTTTTACGACACTTGATAACCGCAGCGGGCAGGTCCAAGTCCTGTCC
 GCCACCCCGCTATTGCAGAGGAATCCCTACAGCAGCCGGATATCATGCACATTAAGGG
 TCGGAGGCTTCTTCGGTCCCTTACGCCCTGAACCAGGGCAGCAGGCCCTGCCTAAGAAC
 AAGAACCAGGAGGGCACCAGGCCACCGGCTGCTGAACATGCTGAGAAAACTCTTAAAGAG
 TCTGATAGTGAAGAACTGGAATAACACAGGAGACACCAAAATTTGGTGCCATTTGGGGAT
 GTGGTTGGCTGCCTGGGCATTATATAAAGAACTGCAGACATTTTATGCCTAAGATCAGT
 TTACAACATTATGCTAATTTATTCATTTCGCATCTCTATAAACAAAGCTGTGAAATGTACA
 AAAATGTGTAGCTTGCTATCCAAAAACGATGAGAAGAACACTGTAATTAAGTTCGATGAA
 GTGAAGTATTTTCTGTACAGGTTCCCGACGTTATGATGATAAGCGGAATAATATTTTA
 TTGGAACTCATACAATATGACAATAGAGAAAAACGTGCTTTCTTGTAGGGAGTGTTTCA
 ATACATCTTTATGAGGTAATTCAGAAAGGGTGCTTCATTGAAGAGGTCCAAGTGTTCAT
 GGAAACATATTTGTCTGCAGGCTGGAGGTGGAATTTATGTTCTCTATGGAACTTTGGT
 TATGGATTTTACATCAGTTAAACCTCTTCAGAAAAATTAAGGACATCCATGTTTATG
 AATCTTGCACCACTCCAGAAAGAACAGATCCCGTGACAAAAGTTATTACACCACAGACA
 GTAGAATATCCAGCATTCTTATCCCGACGCTGAATGTTACTGTTGGGACTCCAGCTGTG
 CAATCTCCAACAGCCATCTGTAGTGCAGCTTGAAAACTTCAGCAACAACCCCGGGAA
 AGGCTGGAAAAGATGAAAAAGAATATAGAAATCTGAATACATGGATAGATAAGCTAAC
 TATTTAGAAAAGCATTCTAATGCCAAAATTGGAACATAAGGATTCTGAGGAACTAATATA
 GATGAGGCATCTGAAAACACGAAAAGTAATCAACCTGAAGAGGAGCTTAAAAATATTGTA
 GGAGTAGATATCCCTCTGTAAATGAGGAAGCTGAACTACTGCAATGAGTTACTGGAT
 AATGATTCTGAGAAAGGCTGACTATACCACTTTGAACCAATCGGACCAAGATAATTCA
 ACTGCTGATGCTTTAAAAATGATGAATCAACACCTTCACCCACAGAAAGTCACTCATTG
 TCACTATTCTAACCAGGAAACAATAAAGCAGGCAGAAATACCACCTTTAGGTGAACGT
 CAATCAGAAAGCATGCCAGACAGAAAAATGAAAAATGTATTTTCCATTAGAAGTAAAA
 TAAAAAGATAACTATCCAAGCATTTTAAAAAGCAGACTCATCTATCAGAGGTGGCTTTT
 TCACCAAAAAGAAATATAATTCACCATCTTTTACAGACAGAAATATAGAAATCAAAACCAAAA
 TTTTCAAGATTGTTTCAAGATAAATTTGAGGATTTACATGACATGACCTCATTACACACCTT
 AAAAAAGTAAAAATCAAGATCAAGGCTTTTAGGAAAAAGCTCAGATGATATCCATAACCAT
 GCCAGACACTCTGCAAGACCATATACTGCTCCGGAGGTTAACAAGCAACGAGAAAGCTAC
 AGTGGAAAAGTTTACAAGTCGTGAATGGTTTCATCAGGCTTAGTTTATATAAATGATAAA
 ACATCAGATTATGAAATGCATAAAATGCGGCCAAAAAAATTTAAAGAGGATATTGAAAA
 ATGTTTCGCTCATTGTGATATTATAAAACATGTTTAACTCAGAATGATATGTGAGGCCAG
 CAGTCAGAATATCACTTCTCCATTAAACAAATGGTTTGGAGATCTCTTTTGTGTGAC
 AGAAGTCAGCAACCAAAATTTTCATCTTGTTAGAACCATTGTTTGTGATTTAAATGAAAA
 CAAAAAATTTTTTTTTT

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_152525 unedited
 CGTTAGCATTTGTAATACGACTTACTATAGGCGGCCGATACCTTCGTATAGCATAACATT
 ATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGAGCGGG
 CCGTCGGTTGGGCGCAGACAGGCCGAGAGATGGAGAGATGGAGCCACCCCAAGAGACA
 AATAGGCCTTTTACGACACTTGATAACCGCAGCGGGCAGGTCCAAGTCCTGTCCGCCACC
 CCGCTATTGCAGAGGAATCCCTACAGCAGCCGGATATCATGCACATTAAGGGTCCGAG
 GCTTCTTCGGTCCCTTACGCCCTGAACCAGGGCAGCAGGCCCTGCCTAAGAACAAGAAC
 CAGGAGGGCACCAGGCCACCGGCTGCTGAACATGCTGAGAAAACTCTTAAAGAGTCTGAT
 AGTGAAGAACTGGAATAACACAGGAGACACCAAAATTTGGTGCCATTTGGGGATGTGGTT
 GGCTGCCTGGGCATTATATAAAGAACTGCAGACATTTTATGCCTAAGATCAGTTTACAA
 CATTATGCTAATTTATTCATTTCGCATCTCTATAAACAAAGCTGTGAAATGTACAAAAATG
 TGAGCTTGCTATCCAAAAACGATGAGAAGAACTGTAATTAAGTTTCATGAAAGTGAAG
 TATTTTCTGTACAGGTTCCCGACGTTATGATGATAAGCGGAATAATATTTTATTGGAA
 CTCATACAATATGGACATAGAGAAAAACGTGGCTTCTGTTAGGGAGTGGTCAGATACAT
 CTTTATGAGTATTAGAAAGGTGTGCTCATTGAAGAGTCCAAGTGGTGCATGGAACTAT
 TTGCTGACGCTGGAGTGAATTTATGTCTCCTAGGGAACCTTGGGTATGGATTTCAAA
 TCATTAACCTCTCCAAAT

Restriction Sites:	Please inquire
ACCN:	NM_152525
Insert Size:	2122 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_152525.3, NP_689738.2</u>
RefSeq Size:	2117 bp
RefSeq ORF:	1872 bp
Locus ID:	151254
UniProt ID:	<u>Q53TS8</u>
Cytogenetics:	2q33.1
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 (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The resulting protein (isoform 2) is shorter than isoform 1.