

Product datasheet for **SC115211**

CCDC22 (NM_014008) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC22 (NM_014008) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC22
Synonyms:	CXorf37; JM1; RTSC2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115211 sequence for NM_014008 edited (data generated by NextGen Sequencing)

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ATGGAGGAGGCGGACCGAATCCTCATCCATTGCTGCGCCAGGCCGGCACGGCAGTTCTT
CCAGATGTGCAGACCTTTCGCGCCTTACCAGTCTGAGCTGGTTGTAGAGGCTGTGGTCCGC
TGCCTGCGTGTGATCAACCTGCGGTGGGCTCTGGCCTCAGCCCTCTGCTGCCTTTGCC
ATGTCTGCCCGGTTCCGCTGGCCATGAGCCTGGCTCAGGCCTGCATGGACCTGGGCTAT
CCCTTGGAGCTTGGCTATCAGAATTCTCTACCCAGTGAGCCTGACCTCCGAGACCTG
TTCTCTTCTTGGCTGAGCGTCTGCCACCGATGCCTCTGAGGATGCAGACCAGCCTGCA
GGTGACTCAGCTATTCTCTCCGGGCCATTGGGAGCCAAATTCGGGACCAGCTGGCACTG
CCTTGGGTCCCGCCACCTTCGCACTCCCAAGCTGCAGCACCTCCAGGGCTCGGCCCTC
CAGAAGCCTTTCCATGCCAGCAGGCTGGTGTGCCAGAATTGAGTTCCAGAGGTGAGCCA
CGGGAGTTCAGGCGAGTCCCCTGCTGCTTCCAGTCCCTACCCAGGTGCCTCAGCCTGTT
GGAAGGGTGGCCTCGCTCCTCGAACACCATGCCCTGCAGCTCTGCCAGCAGACGGGCCGG
GACCGGCCAGGGATGAGGACTGGGTCCACCGGACATCCCGCTCCACCCAGGAGGAC
ACACGGGCTCAGCGGCAGCGGCTGCAAAAGCAACTGACTGAGCATCTGCGCCAAAGCTGG
GGCCTGCTTGGGGCCCCATACAAGCCCGGACCTGGGAGAACTGCTGCAGGCCTGGGGT
GCTGGGGCCAAGACTGGTGTCTTAAGGGCTCCCGCTTACGCACTCAGAGAAGTTCACC
TTCCATCTGGAGCCCCAGGCCAGGCCACTCAGGTGTGATGTGCCAGCCACCTCCCGG
CGGCCTGAACAGGTACGTGGGCAGCTCAGGAACAGGAGCTCGAGTCCCTTCGGGAGCAG
CTGGAAGGAGTGAACCGCAGCATTGAGGAGGTTGAGGCCGACATGAAGACCCTGGGCGTC
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CAGGCCCTGCGCCTGAAGAGCCGCGGTTGGAGCTGCTGCCGATGGGACTGCCAACCTT
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TGGGAGAAGCACCGGGTCCCACTCCTCGCTGAGTACCGCCACCTCCGAAAGCTGCAGGAT
TGCAGAGAGCTGGAATCTTCTCGACGGCTGGCAGAGATCCAAGAACTGCACCAGAGTGTG
CGGGCGGCTGCTGAAGAGGCCCGCAGGAAGGAGGAGGTCTATAAGCAGCTGATGTCAGAG
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GTGGGCAACATCCGGAAGCAGAAGGAAGAGATACCAAGATCTTGTCTGATACGAAGGAG
CTTCAGAAGGAAATCAACTCCCTATCTGGGAAGCTGGACCGGACGTTTGGCGTGACTGAT
GAGCTTGTGTTCAAGGATGCCAAGAAGGACGATGCTGTTCCGGAAGCCTATAAGTATCTA
GCTGCTCTGCACGAGAAGTGCAGCCAGCTCATCCAGACCATCGAGGACACAGGCACCATC
ATGCGGGAGGTTTCGAGACCTCGAGGAGCAGATCGAGACAGAGCTGGGCAAGAAGACCTC
AGCAACCTGGAGAAGATCCGGGAGGACTACCGAGCCCTCCGCCAGGAGAACGCTGGCCTC
TAGGCCGGGTCCGGGAGGCCTGA
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Clone variation with respect to NM_014008.3

747 g=>a

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014008 unedited ACATTAGTAAACGACTACTATAGCGGCCCGCAATTCGCACGAGGCTGTGGACCGCGAG CACGGAGCAGGGTTTCTACAGCTGCTCCCCACTTTCTCGGACCCGGTCTGGACCCAGCC CCCCACTCCGACACGGCTCCACCATGGAGGAGCGGACCGAATCCTCATCCATTCGCTGC GCCAGGCCGGCACGGCAGTTCTCCAGATGTGCAGACCTTGCAGCCTTACCAGCTGAGC TGGTTGTAGAGGCTGTGGTCCGCTGCCTGCCTGTGATCAACCTCGCGTGGGCTCGGCC TCAGCCCTCTGCTGCCTTTGCCATGTCTGCCCGGTTCCGCTGGCCATGAGCCTGGCTC AGGCTGCATGGACCTGGGCTATCCCTTGAGCTTGGCTATCAGAAGCTTCTCTACCCCA GTGAGCCTGACCTCCGAGACCTGCTTCTTCTTGGCTGAGCGTCTGCCACCGATGCCT CTGAGGATGCAGACCAGCCTGCAGGTGACTCAGCTATTCTCTCCGGGCCATTGGGAGCC AAATTCGGGACCAGCTGGCACTGCCTTGGGTCCCGCCCCACCTTCGCACTCCCAAGCTGC AGCACCTCCAGGGCTCGGCCCTCCAGAAGCCTTCCATGCCAGNCAGCTGGTCTGCCA GAATGAGTTTTCAGAGGTGAGCCACGGAAGTTCCAGGCGAGTCCCCTGCTTCCAGTCC CTACCCAGTGCCTCAGCCTGTTGGAAGTTGGCTCGCTCCTCGAACACATGCCCTGCAGC TCTGTACAGACAGGGCCGGGACCGGCCAGGGGATGAGGACTGGGTNACCCGGACATNTC CGCTCCACCCCAAGGAGACACACCGGCTCAGCGCCAGCGCTGCAAAAGCCACTGACTGA ACATCTGCCACAGCTGGGCTGCTTGGGCCCCATACAGCCCCGACCTGGGAGACTGCT N</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014008 unedited TGTCTTGGCCGCGCCGAATCTAGGATCGAGCTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTGGATTGGAGAGGAATTAATTTATTTGGGAACC AAGGGCCCAACCCACAGTACCGTCCCCAATAAACTGGAGCCGAGCTCCCAAAATGGTGG ACTATAACCCCATATAAGGGTTGGGGGAGGGGGCAGGGGTCTGGGTCCAAGGCCCCAGC AGGAGGAAGTGGACAGCGGGGGAAGTAGCTAGGGCATGGGCTTGGGCACTGGTTTCAGGA ACCCAAATCCTTGCTGGGGGTGGGAGAGATCTTGGCGCGGGTTTTAGGCCTCCCG GACCCGGCCTAGGAGGCCCGGTTCTCTGGCGGAGGGCTTGGTGTCTCCCGAATTTT CTTAAGTTGGCCGGGGGTCTTGCAGTGTTCATCCCTCCGCTCCCAAGGGATCA ACCCCGCGCAGATTGGCCCTGACCCCGCCTAGCACGAGTGACCCGGCGGCGCACTCGT GCTGCGCGGCGCGCACGCCGGGGAGGCGCGCCGGGCGCGCTGCGCTGGCCCGGAT TGAAAAGGCTGCCGCCCCCCCCCTTCTCTCGCCCGTCTGTCTTCTTCCCCATAA CTCCCTTTCCACTGTCTATACGAGGCTTGGGGCCGACCTAACCCGCTACCCCGCTG ACGTATGCCGCTCGCCGCGATCCCCCTCTCACGCCGACTACACCCCTTCCCTACCCT ACTCCCCCGCGCTGTTCCGCCATAATCCCCACCCACCCTCCTATTCCCGGAATCTT AAGTGTGTTATGTGCTCCCTTCGACGCGCGGTCTATGTACCCCTACCCGATCCGATTT CTTATACTCCTTGGCTCGGTCTCTCGTCCCCAAANTCGCTCACCGTCCGGTCCGAAT CCTCTT</p>
Restriction Sites:	ECoRI-NOT
ACCN:	NM_014008
Insert Size:	2340 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: [NM_014008.1](#), [NP_054727.1](#)

RefSeq Size: 2228 bp

RefSeq ORF: 1884 bp

Locus ID: 28952

UniProt ID: [O60826](#)

Cytogenetics: Xp11.23

Gene Summary: This gene encodes a protein containing a coiled-coil domain. The encoded protein functions in the regulation of NF- κ B (nuclear factor kappa-light-chain-enhancer of activated B cells) by interacting with COMMD (copper metabolism Murr1 domain-containing) proteins. The mouse orthologous protein has been shown to bind copines, which are calcium-dependent, membrane-binding proteins that may function in calcium signaling. This human gene has been identified as a novel candidate gene for syndromic X-linked intellectual disability. [provided by RefSeq, Aug 2013]