

Product datasheet for **SC323782**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014008.2
 CCCACACGACCCGTGACACTCTGTGGACCGGAGCACGGAGCAGGGTTTCTACAGCTGCT
 CCCCACTTTCTCGGACCCGGTCTCGGACCCAGCCCCGACTCCGACACGGCTCCACCATG
 GAGGAGGCGGACCGAATCCTCATCCATTGCTGCGCCAGGCCGGCAGGCAGTTCTCCA
 GATGTGCAGACCTTGCAGCCTTCACTGAGCTGGTTGTAGAGGCTGTGGTCCGCTGC
 CTGGCGTGTATCAACCTGCGGTGGCTCTGGCCTCAGCCCTCTGCTGCCTTTGCCATG
 TCTGCCCGGTTCCGCCTGGCCATGAGCCTGGCTCAGGCCTGCATGGACCTGGGCTATCCC
 TTGGAGCTTGGCTATCAGAACTTCTCTACCCAGTGAGCCTGACCTCCGAGACCTGCTT
 CTCTTCTGGCTGAGCGTCTGCCACCGATGCCTCTGAGGATGCAGACCAGCCTGCAGGT
 GACTCAGTATTCTCCTCCGGGCCATTGGGAGCCAAATTCGGGACCAGCTGGCACTGCCT
 TGGGTCCCGCCACCTTCGCACTCCCAAGCTGCAGCACCTCCAGGGCTCGGCCCTCCAG
 AAGCCTTTCCATGCCAGCAGGCTGGTCTGCCAGAATTGAGTTCCAGAGGTGAGCCACGG
 GAGTTCCAGGCGAGTCCCCTGCTGCTTCCAGTCCCTACCCAGGTGCCTCAGCCTGTTGGA
 AGGGTGGCCTCGTCTCGAACACCATGCCCTGCAGCTCTGCCAGCAGACGGGCCGGGAC
 CGGCCAGGGGATGAGGACTGGGTCCACCGGACATCCCGCTCCCAACCCAGGAGGACACA
 CGGGCTCAGCGGAGCGGCTGCAGAAGCAACTGACTGAGCATCTGCGCCAAAGCTGGGGC
 CTGCTTGGGGCCCCATACAAGCCCGGACCTGGGAGAATGCTGCAGGCCTGGGGTGT
 GGGGCCAAGACTGGTGTCTTAAGGGCTCCCGCTTACGCACTCAGAGAAGTTACACCTTC
 CATCTGGAGCCCCAGGCCAGGCCACTCAGGTGTGAGATGTGCCAGCCACCTCCCGGCGG
 CCTGAACAGGTACGTTGGCAGCTCAGGAACAGGAGCTCGAGTCCCTTCGGGAGCAGCTG
 GAAGGAGTGAACCGCAGCATTGAGGAGTTGAGCCGACATGAAGACCCTGGGCGTCAGC
 TTTGTGCAGGCAGAGTCTGAGTCCCGCCACAGCAAGCTCAGTACAGCAGAGCGTGAGCAG
 GCCCTGCGCCTGAAGAGCCGCGGTTGGAGTGTGCCCCGATGGGACTGCCAACCTTGCC
 AAGCTGCAGCTTGTGGTGGAGAATAGTGCCAGCGGGTCACTTGGCGGGTCACTGG
 GAGAAGCACCGGGTCCCCTCCTCGCTGAGTACCGCCACCTCCGAAAGCTGCAGGATTGC
 AGAGAGCTGGAATCTTCTCGACGGCTGGCAGAGATCCAAGAAGTGCACCAGAGTGTCCGG
 GCGGCTGTGAAGAGGCCCGCAGGAAGGAGGAGTCTATAAGCAGCTGATGTCAGAGCTG
 GAGACTTGCCAGAGATGTGTCCCGCTGGCCTACCCAGCGCATCCTGGAGATCGTG
 GGCAACATCCGGAAGCAGAAGGAAGAGATCACCAAGATCTGTCTGATACGAAGGAGCTT
 CAGAAGGAAATCAACTCCCTATCTGGGAAGCTGGACCGGACGTTTGGCGTACTGATGAG
 CTTGTGTTCAAGGATGCCAAGAAGGACGATGCTGTTCCGGAAGGCCTATAAGTATCTAGCT
 GCTCTGCACGAGAAGTGCAGCCAGCTCATCCAGACCATCGAGGACACAGGCACCATCATG
 CGGGAGGTTTCGAGACCTCGAGGAGCAGATCGAGACAGAGCTGGGCAAGAAGACCCTCAGC
 AACCTGGAGAAGATCCGGGAGGACTACCGAGCCCTCCGCCAGGAGAACGCTGGCCTCCTA
 GGCCGGGTCCGGGAGGCCTGAGGAGCCCGCCGAGAGGTCTCTCCCAGCCTCAGGCAGG
 GATTTGGGGTGTGGAGGAGTGGCCAAGCACATGCCCTAGCTACTTCTCCGCTGTCCA
 GTTCTCTGCTGCGGCCTTGGACCCAGACCCCTGCCACTGACCGCAACCCTTATATGG
 GGTGATAGTCCAGCATGTGGGGAGCTCGGCTGCAGTTTATTGGGGACGGTACTGTGGGT
 GGGGGCCTTGGATCCCAAATAAATGAGTAGTTCCTCTGCAGTCTAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_014008

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:	<ol style="list-style-type: none">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_014008.2</u> , <u>NP_054727.1</u>
RefSeq Size:	2715 bp
RefSeq ORF:	1884 bp
Locus ID:	28952
UniProt ID:	<u>O60826</u>
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]