

Product datasheet for **MC205725**

Ccdc22 (NM_138603) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc22 (NM_138603) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc22
Synonyms:	Al481216; DXImx40e; Ppp1r3f; Sfc22
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC011195
 GACCCAGCCCCGGAGTTAGAATTAACCTCCACCATGGAGGAGGCTGACCGAATCCTCATCCATTCCTTGCG
 CCAGGCGGGCACGGCAGTTCTCCAGAAGTGCAGACTCTGCGAGCTTTCACCACTGAGCTGGTCGTAGAG
 GCTGTGGTCCGATGCCTTCGAGTGATTAATCCTGATGTGGGCTCTGGCCTCAGTCACTTGCTACCACCAG
 CCATGTCTGCCCGCTTCCGCCTGGCCATGAGTCTGGCCCAGGCCATGCATGGACCTGGGCTATCCCTTGGA
 GCTTGGCTATCAGAACTTCCTCTATCCCAGTGAGCCTGACCTTCGAGATCTGCTTCTTTCTTGGTGAG
 CGACTACCCAGCGATGCCTCTGAGGACGCAGACCAGCCTGCAGGTGACTCGGCTATTTCTTTCGGGCCA
 TTGGGAGCCAAATCCGGGACCAGCTGGCCCTGCCCTGGGTCCCACCTCTCCTTCGAACTCCAAGGTGCA
 GCGCCTCCAGGGCTCAGCCCTCCAGCAGCCGTTTCCACTCCAGCAGGTTGGTTCTACCTGAGTTGAATTCC
 AGCGGAGAGCTATGGGAGTTCAGGCCAGTCCCCTGCTGCTACCAGCCCCACACAGGTGCCCCAGCTTC
 AGGGGAGGGCAGCCTCACTCCTTGAACACCATGCCAGCCAGCTCTGCCAGCATGTGAACAGGGATTGCC
 AGGAGATGAAGACCGGTGCGCTGGGCATCCCGCTCCCATCCCAGGAGGATTCCCGGGTCCACAGCAG
 AGACTGCACAAGCAGCTGATTGAACATCTGCGTCAAAGCTGGGGCCACTTGGAGCCCCGACACAAGTCC
 GAGACCTAGGAGAGATGCTGCAGACCTGGGGTGTAGGGTATGACTGGTGTGCCAAAGGCTCCCGCTT
 CACCCATTAGAGAAGTTTACCTCCATCTGGAGCCCCAGGTCCAGGCAGCTCAGGTGGCAGATGTACCA
 GCTACCTCTCAAAGGCTTGAACAGGACACACGGGCAGCTCAAGAGCAGGAGTTAGAGTCCCTTCGTGAGC
 AGCTGGCGAGTGTGAACCACAACATTGAAGAGGTTGAAGCTGACATGAAGACCCTGGGAATCAACCTTGT
 GCAGGTGGAACCGAGTGCCGACAAAGTGAACCTCAGTGTGGCCGAGCAGGAGCAGGCCCTGCGCCTGAAG
 AGCAGGACGGTGGAAATTGCTGCCTGATGGGGTGCCAACCTCGCCAACTGCAGCTTGTGGTGGAGAGCA
 GCGCTCAGAGGCTCATCCATCTAGCAAGCCAGTGGGAGAAACACCGGGTCCCCTTCTTGTGAGTACCG
 CCACCTCAGAAGACTCCAGGACTGTAGGGAGCTGGAATCGTCTCGACGGCTGGCAGAAATCCAGGAGCTG
 CACCACAGTGTTCGAGCAGCTGCAGAGGAGGCTCGCCGGAAGGAGGAGGTTCTATAAGCAGCTGGTGTG
 AGCTGGAGACTTGCCAAAAGATGTGTCCCGCTGGCCTATACTCAGCGCATCCTGGAGATTGTGGGCAA
 CATCCGGAAGCAGAAGGAAGAGATCACTAAGATCTTGTGCGACACAAGGAACTGCAGAAGGAAATCAAC
 TCTCTCTCTGGGAAGCTCGACCGACATTTGCACTGACTGATGAGCTTGTGTTCAAGGATGCTAAGAAGG
 ATGATGCTGTTCCGAAAGCCTACAAGTACCTAGCTGCCCTGCATGAGAATTGCAGTCACTCATCCAGAC
 CATTGAGGACACAGGCACTATCATGAGGGAAGTTCGAGATCTTGAGGAGCAGATTGAGACAGAGATGGGC
 AAGAAGACTTTGAGCACTGGAGAAGATCTGTGAGGACTACCGAGCCCTTCGCCAGGAGAATGCTGGCC
 TCTTGGCCGGGTCGAGAGGCCCTAGAGCCCTGATGGATGTCTCCTAACCACAGGCAGGAATTTGGGGTG
 CTGGAGACAGTGTGAGGCACCTGTTCTAGCACTCTTTTCAATTTGGTATCCGCTTCTCCTGCTGGGAT
 CTTAAACCCAGCTGTCTGCTTATATGTTCCCATATCTGATCAGGGTGATTGTCCAGCTGACCACAGTTTA
 TTGGATGGGCACTGGGGCCAGGGCCTTGATCCCAAATAAAAGAGAAGTCTTCTGTGAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_138603

Insert Size: 1884 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: [BC011195](#), [AAH11195](#)

RefSeq Size: 2194 bp

RefSeq ORF: 1884 bp

Locus ID: 54638

UniProt ID: [Q9JIG7](#)

Cytogenetics: X 3.42 cM

Gene Summary: Involved in regulation of NF-kappa-B signaling. Promotes ubiquitination of I-kappa-B-kinase subunit IKBKB and its subsequent proteasomal degradation leading to NF-kappa-B activation; the function may involve association with COMMD8 and a CUL1-dependent E3 ubiquitin ligase complex. May down-regulate NF-kappa-B activity via association with COMMD1 and involving a CUL2-dependent E3 ubiquitin ligase complex. Regulates the cellular localization of COMM domain-containing proteins, such as COMMD1 and COMMD10. Component of the CCC complex, which is involved in the regulation of endosomal recycling of surface proteins, including integrins, signaling receptor and channels. The CCC complex associates with SNX17, retriever and WASH complexes to prevent lysosomal degradation and promote cell surface recycling of numerous cargos such as integrins ITGA5:ITGB1. Plays a role in copper ion homeostasis. Involved in copper-dependent ATP7A trafficking between the trans-Golgi network and vesicles in the cell periphery; the function is proposed to depend on its association within the CCC complex and cooperation with the WASH complex on early endosomes.[UniProtKB/Swiss-Prot Function]