

Product datasheet for **MC206526**

Cxxc5 (BC016207) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cxxc5 (BC016207) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cxxc5
Synonyms:	4930415K17Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC016207
 GGCCTCGGCCCCACCATGTCGAGCCTCGGCGGTGGCTCCCAGGACGCCGGTGGCAGTAGCAGCAGCAGTA
 ACACCAATAGCAGCAGTGGCAGTGGCCAAAAGGCAGGAGGAACAGACAAAAGTACCGCGTGGCCGCCAC
 CACGGCGCCGACCTCCGTGGCAGACGATGCCCCACCCCTGAGCGTGGAAACAAGAGCGGTATCATCAGT
 GAACCCCTCAACAAGAGCCTGCGGCGCTCCCGACCACTCTCTACTACTTTCCTTTGGTAGCAGTGGTG
 GCGGCGGAAGCATGATGGGGGTGGAGTCTGCTGACAAGGCAGCGGCAGCCGCAGCCTCCCTATTGGCCAA
 TGGTCATGACCTGGCTGCGGCCATGGCAGTGGACAAAAGCAACCCTACCTCAAAGCACAAAAGTGGTGCT
 GTGGCCAGCCTGCTGAGCAAGGCAGAGAGGGCCACAGAGCTGGCAGCTGAGGGACAGCTGACGCTGCAGC
 AGTTTGCACAGTCCACAGAGATGCTAAAGCGCGTGGTGCAGGAACACCTGCCACTGATGAGTGAGGCCGG
 TGCCGGCCTGCCTGACATGGAGGCTGTGGCCGGCGCCGAAGCCCTCAATGGCCAGTCCGACTTCCCTAT
 CTGGGCGCTTTCCCATCAATCCAGGCCTTTCATCATGACCCAGCTGGCGTGTTCCTGGCTGAGAGTG
 CACTGCACATGGCTGGCCTGGCCGAGTACCCATGCAGGGAGAGCTGGCTTCCGCCATCAGCTCAGGCAA
 GAAGAAGCGAAACGCTGCGGCATGTGTGCGCCCTGCCGGCGGCATCAACTGTGAGCAGTGCAGCAGT
 TGTAGGAACCGAAAGACTGGCCATCAGATTTGCAAATTCAGAAAGTGTGAAGAACTCAAAAAGAAGCCTT
 CCGCTGCTCTGGAGAAGGTGATGCTTCCGTCCGGAGCCGCCTTCCGGTGGTTTCAGTGATTTTCAGTGACG
 GCCGGAAACCCAAAGCTGCCCTCTCCGTGCAATGTCACTGCCCGCGTGGTCTCCGCAAGGGATTCCGGC
 GAAGACAAACGGATGCACCCGTCTTTAGAACCAAAAATATTCTCTCACAGATTTCAATCCTGTTTTTATA
 TATATATATTTTTGTTGTGCTTTTAAACATCTCCACGTCCCTAGTATAAAAAGAAAAAGAAAAAGAAAA
 AATTTTAACTGCTTTTTCAGAAGAACATCAACAACAACAAGAGAGGTAAGACGAATCTATAAAGTACCG
 AGACTTCTGGGCAAAGAATGGACAATCAGTCTCCTTCTGTGCAATGTCAATGTCAATGTTGTCTGTG
 CGGGAGATGCTGTTTTGTGTAGAGAATGTAATTTTTCTGTAACCTTTTGCAATCTAGTTACTAATAAGC
 ACTACTGTAATTTAGCACAGTTTTAACTCCACTCTCATTTTAACTTCTTTGATTCTTTCAACCATGA
 AATAGTGCATAGTTTGCCTGGAGAATCCATTACGTTTTATAAAGGAATAGTGGTGGCACCCTGTAGAAG
 CCCTCTGTATCCATCCATGTGTGACAGAGGGGCCAGAGCCCACTGGGACTGGGAGTTCTGACCCAGGCC
 CGACCATGTTGCACCCATCGTCCCCTGATTGGGATTCCCCTACCCCAACAGTGTGATTTTGGAGAG
 ATGAAAATTCTATTCAATTTGTTGATCCACTGAGATCTGGAGAGCCACATCTCAGTATTTCTGATCCTGG
 CTACTTCCCTTAGAGAAAATAAGCCCTTTTTCTCAGCCTTGCTCGCAGCAGCAGAAGAAAGGGCTTCTC
 TGCGTGGTCCCCTGCTGGTAGGGGTGGGTGCCAGGGGGCCCCCTGCCCGTGGCCAGCTCCCTGCTGAGG
 AACATGCTGTTTGTATTGTTTTAGGAGACCAGGCTGTTTTGTGAATAAACTGAATGCATGTTTGTGTCA
 TGAAA

Restriction Sites: EcoRI-NotI

ACCN: BC016207

Insert Size: 954 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: [BC016207](#), [AAH16207](#)

RefSeq Size: 2002 bp

RefSeq ORF: 954 bp

Locus ID: 67393

Cytogenetics: 18 B2

Gene Summary: May indirectly participate in activation of the NF-kappa-B and MAPK pathways. Acts as a mediator of BMP4-mediated modulation of canonical Wnt signaling activity in neural stem cells. Required for DNA damage-induced ATM phosphorylation, p53 activation and cell cycle arrest. Involved in myelopoiesis (By similarity). Binds to the oxygen responsive element of COX4I2 and represses its transcription under hypoxia conditions (4% oxygen), as well as normoxia conditions (20% oxygen). May repress COX4I2 transactivation induced by CHCHD2 and RBPJ (By similarity).[UniProtKB/Swiss-Prot Function]