

Product datasheet for **MC224681**

Kcp (NM_001029985) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcp (NM_001029985) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kcp
Synonyms: AW060220; CRIM-2; Crim2; Gm793; KCP-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224681 representing NM_001029985
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGGGGCTCGGGCGCGTGTCTACCACTGCTCCTGCACCTCGGGAGCCTGGCGCTGGCCGCGCGGG
 GTGGAGAGGTCTCAGAGAGCAGCCTAGGCTTGTGATGCTATCTCTCAGCAGCAGGCACCCTCCCCTC
 CTTGGTCCCTGGTGAGACCCACCAACAGCAGTGGTGCCCTGGAGGAGAGGCTGGAACGGCTGGAGGCA
 GAGGTGACTGACCTCAGAAAGCAGAACAGGGAGCTGCAAGCCAGGGTGGTGCAGCTGGAGTCTGTGAGT
 GCTGGGGCCAGGTCACACCTGTCCCGAAGGAGCTCGCTGGGAGCCTGATGCCTGCACAGCCTGCCTGTG
 CCGTGTGGAACGGCGCACTGTGGCCCCAGCCCAACCTGCCCACTGCCGTGGCTGCAGCCACAATGGG
 CAGTCTTATGGTCATGGGGAGACCTTCTCCCAAGATGCCTGTACCACTGCCGTGTCTGGCAGGAACCG
 TGCAGTGCCAGGGGCTTCATGCTCTGAGCTTAACTGTCTGGAGAGCTTCATCCCTCCTGGAGAATGTTG
 CCCATCTGCCGGCCAGGCTGTGAATATGAAGGGCAGCTTCACCAGGAAGGGTCTAGTTTCTGTCCAGT
 TCCAACCATGCCTCCAGTGTCTTGCCTGAGGAGCCTGGTTCGATGTGTGCCTGTGAAGTGCCAGCCAA
 GCCCTGCCTCAATCCAGTCCCGAGGCTTGGACACTGCTGCCAGTCTGCCAAGCCTCAGGCTGCACAGA
 AGGGAACCTCATAGGGACCATGGCCAAGAGTGGACCACTCCTGGAGACCCTGCCGCATCTGCCAGTGC
 CTGGAGGGCCACATCCAGTCCCGCCAGCGGGAGTGTGCCAGCCTGTGTCCATACCCTGCCAGGCCCTTC
 CGGGCACCTGTTGCCCGGTGTGTGACGGCTGTTTCTAAATGGGCGGGAGCACAGCAGTGGGGAGCCGT
 GGGCTCCAGGACCCCTGCTCTAGCTGCCGTGTACCAATGGGAGTGTCCAGTGTGAGCCTCTGCCCTGC
 CCGCTGCACCCTGCAGATACCCGGCAGGATCCCTGGCAGTGTGCCCTGTCTGTGATGGCTGTAAT
 ACCAGGGACATGAATATCGGAGCCAGGAGACCTTACCCTCCAAGAGAATGGCCGCTGCCTTCGGTGCCT
 CTGCCAGGCTGGTGAAGTATCCTGTGAAGAACAGGACTGCCAGTCACTCCCTGTGTCCGCTCTGCCTCC
 GGCCCCAGCTCTGCTCCGCTGTGTGCTCAATGGTGAGGAGTTTGTGAGGGGATCCAGTGGGAGCCAG
 ATGACCAGCCCTGTACTTCTGTTCTGCAAGATGGAGTGCCTGTGTGACAGGGCTGTGCTTTGCTCTCC
 AGTACCCTGCCAACATCCTACCCAGCCACCTGGTGCCTGTGTGCCAGCTGTGATAGCTGCACCTACCAC
 AGCCTGGTGTATGCTAATGGGCAGAACTTCACAGATGTGGACAGCCCTTGTGACAGCTGCTACTGCGAGG



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ATGGGACTGTGAGGTGTTTCATTGATCAACTGTCCTTTCAACAACCTGTGCCAAGCCCCAGAATGGACCAGG
 CCAGTGCCTGCCCTAAGTGCCAGACTGCATCTTGGAGGCACAGGTGTTTGTAGATGGGGAGCGCTTCCCT
 CATCCAAGAGACCCCTGCCAGGAGTGTGGTGTGAGGAAGGCCAAGCTCACTGCCAGCTCCGTGCCTGCC
 CCAGCGCCCCCTGTGTTACCCCTCTGCCAGGCACCTGTGCAAGAATGACTGCACAGGCTGTGCCTTTGG
 CGGAAAGAGTACCCCAATGGAGCGGACTTCCCACATCCCCTGATCCGTGTGCGCTGTGTGCTGTCTG
 AGCGGCAACGTACAGTGCCTGGCGCGTGTGTGCGCCACTGTCTGTCCGACCCAGTCCCTCACTCCGG
 GAGACTGCTGCCCGAGTCCCAGATGCCCTGCTGACTGCCACAGTCAGGGAATATGGTCCCTGTCCG
 CCACCAGGAGCACTTTTCCAACCGGGAGACCCTTGACGCGCTGCCTCTGCCTGGATGGCTCAGTGTCC
 TGCCAGCGGCTGACCTGCCCTCTGCGCCCTGCGCCACCCACGCGGGGACGCTGTTGCCCTCTTGCG
 ACGGCTGCCTGTATCAGGGGAAGGAGTTTGCCAGTGGGGAGCGTTTTCCATCACCAAACGTTGCGTGCCA
 CGTGTGCCTCTGCTGGGAGGGCAGCGTCAAGTGCAGGCCAGGACTTGTGCCCTGCACAGTGCCTTTT
 CCCACCAGGGAAGACTGCTGCCCTGCCTGTGATAGCTGTGATTATCTTGGGGTCTCTATCTGAGCAGCC
 AGGAGTCCCAGACCCCGGGAAGCCTGCAACCTATGCACCTGCCTTGGAGGCTTCGTGACTTGACCCCG
 CCGGCCCTGTGAGCCTCCAGCCTGCAGCATCCACTCATCGTACCCGAGCACTGTGTCCAACCTGCCAG
 GGATGCCTGTACCATGGGATCACTGCTGCCCTTGAGAGACCCTTCTGACCCCTTGACCCACCTGCT
 CCCTCTGCACCTGTGAGGAAGGTTCTATGCGCTGCCAAAAGAAGCCATGCCCTCCGGCTCCCTGCGCTCA
 CCCGTCTCCAGGCCCTGCTTCTGCCCTGTTTGTGCGAGCTGCCTCTCTAGGGCCGGGAGCACCAAGAT
 GGGGAGGAGTTTGGAGGACCCGAGGGCAGCTGTGAGCGCTGCCGCTGTCTGGCCGGCCAGGTGAGTGTCA
 CGAGGCTTCAGTGCCCGTCCCTGCCCTGCTTGACCCAGGTACAGAACAGGGACCTGCTGTCTCGATG
 CACAGGCTGCCTCGCTCGTGGGAGGAGCATCCTGAAGGGAGTAGCTGGGTGCCAGCGGACAGCCCTGT
 TCCTCTGCATGTGTACAAGGGCATCATCACTTGTGCCAAGTCCAGTGTGTGAGCGCTGCATCTGGC
 CCCAGGAGGGGCCAGCAGCTGCTGTCTCAGTGTCTGGCTGTGAGCATGGGGGAGGAAAGTATGAGCC
 TGGGAGAGCTTCCAGCCTGGGCGAGCCCGTGTGAAGTGTGATCTGCAAGCAGAAGCCTGAGGGGCT
 CCCAGCCTTCACTGTAGTCGGCGCAGTGCCTCCAGCCTGGTGGGCTGCCACCAAGCCAGCTTCTTCTC
 CTGGCCCCAGCACTGCTGTCCACCTGTGCCAGGCACTGAGTAACTGCACAGAGGACCTGGTGGGGT
 TGAGTGGTGCCACCAGACCCCTGCTACACCTGTGAGTGTGAGGATCTGACGTGGCTCTGTACTCACCG
 GCCTGTCTGAGCTCAGCTGTCCCTGTGGGAGCGTCACACAACCCCTGGCAGCTGTGCCCGTGTGTA
 AAGACCTACCCAGTCATGCATGCATCAGGGTGTGCTGGTGGCTCTGGAGAAGTGGGAGTGGATGC
 CTGCACCAGTGTCTGTGTGGTGGTACTGTGCACTGCCAGACCCAGCGCTGCAGGAAGCTCGCATGT
 AGCCGGGATGAGTCCCTGCCCTGAGTCCCGCAGCTGCTGTCTCGCTGTTGCCCGGGCCGCTTCT
 GCATGGCCTTCGAGACCCCATACCCGACCTTCGATGGCCGCTGTTGCACTTCCAAGGCAGCTGCAG
 CTACGTGCTGGCAAGGACTGCCACGGCGAGGACTTCAGTGTGACGTGACTAATGATGACCGGGGCGG
 AGGGGTGTGGCCTGGACCAAGAGGTAGCAGTGTGTTGGGAACCGTGGCTGTGAGGCTGCTGCAGGGCA
 GGACAGTCATGGTGGACCAGCACACAGTACCTTGCCTTCTCCGGGAGCCACTGCTGTACATTGAGCT
 TCGTGGTCACACTGTGATCCTGCATGCCAGCCTGGGCTTCAGGTGCTGTGGGACGGGCAATCCCAGGT
 GAGGTGAGAGTCCCAGCTCCTACCGGGGCCAGACTTGTGGTCTCTGTGGGAACCTCAATGGCTTTGCC
 AGGATGATCTGCAGGGTCCGGATGGGAGGCTCTGCCACAGAGGCTTCGTTTGGGAACAGCTGGAAGGT
 CCCCAGGGGCTGGGGCTGGCCGGCCGTGTTCTGCAGGCCGAGAGGTGGACCCGTGCCGGCAGCAGGC
 TACCGTGCCAGGCGTGGGCAATGCCCGGTGCGGGATCCTGAAGACTTACCGTTCAGTCAATGCCATG
 CTGTGGTCCCCCGAACCCTTCTTGTGCTGTGTGACGACTTGTGTGCTTGTGGTCCAGGCTCCTC
 CTCTGACACCTGTCTGTGATGCCCTGAAGCCTACGCTAGCCACTGTGCCAGGCAGGGGTGACTCCT
 GTCTGGAGGGTCTACTCTGTGTGGTGGGCTGCCCTGTGGACCGTGGCTTTGTGTTGATGAGTGTG
 GACCACCTGTCCCGTACCTGTTTCAACCGGCACATACCCTAGGGAACTGGCAGCCACTGTGTGAG
 ACCCTGTGTTCCAGGCTGCCAGTGTCTGCAGGCTGGTGAACATGAAGGCCATTGCATCTCACCTGAG
 GTCTGCCACCAGTCTGCTTACTGGGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001029985

Insert Size:	4653 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:	<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_001029985.4</u> , <u>NP_001025156.3</u>
RefSeq Size:	4905 bp
RefSeq ORF:	4653 bp
Locus ID:	333088
UniProt ID:	<u>Q3U492</u>
Cytogenetics:	6 A3.3
Gene Summary:	Enhances bone morphogenetic protein (BMP) signaling in a paracrine manner. In contrast, it inhibits both the activin-A and TGF β 1-mediated signaling pathways.[UniProtKB/Swiss-Prot Function]