

Product datasheet for **RC226764**

KCP (NM_199349) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCP (NM_199349) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KCP
Synonyms:	CRIM2; KCP1; NET67
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC226764 representing NM_199349
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGGGGTCGGGGCCGCTGCGCTGTCCCTTCTCCTGCACCTCGGGGCCCTGGCGCTGGCCGCGGGCG
 CGGAAGGTGGGGCTGTCCCAGGGAGCCCCCTGGGCAGCAGACAACTGCCATTCTCAGTCCTTGCTGG
 GAACTCCAGGAGCAGTGGCACCCCTGCGAGAGTGGCTGGGGCGACTGGAGGCTGCAGTGATGGAGCTC
 AGAGAACAGAATAAGGACCTGCAGACGAGGGTGAGGCAGCTGGAGTCTGTGAGTGCCACCCTGCATCTC
 CCCAGTGCTGGGGCTGGGGCGTGCCTGGCCGAGGGGGCAGCTGGGAGCCTGACGCTGCACAGCCTG
 CGTCTGCCAGGATGGGGCCGCTCACTGTGGCCCCAAGCACACCTGCCCCATTGCAGGGGCTGCAGCCAA
 AATGGCCAGACCTACGGCAACGGGGAGACCTTCTCCCAGATGCCTGCACCACCTGCCGTGTCTGGAAG
 GTACCATCACTTGAACAGAGCCATGCCAAGAGGACCCTGCCCTGAGCCAGGAGCATGCTGCCCGCA
 CTGTAAGCCAGGCTGTGATTATGAGGGGACGTTTATGAGGAGGGGGTCACTTCTGTCCAGCTCCAAC
 CCTTGTCTACAGTGACCTGCCTGAGGAGCCGAGTTTCGCTGCATGGCCCTGAAGTGCCCGCTAGCCCT
 GCCCAGAGCCAGTGCTGAGGCCTGGGCACTGCTGCCAACCTGCCAAGGTGCACAGAAGGTGGCTCTCA
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 ATCCAGTGCCGCCAGCGAGAATGTGCCAGCCTGTGTCCATACCCAGCCCGGCCCTCCAGGCACCTGCT
 GCCCTGTGTGTATGGCTGTTTCTAAACGGGCGGGAGCACCGCAGCGGGGAGCCTGTGGGCTCAGGGGA
 CCCCTGCTCGACTGCCGCTGTGCTAATGGGAGTGTCCAGTGTGAGCCTCTGCCCTGCCCGCCAGTGCCC
 TGCAGACACCCAGGCAAGATCCCTGGGCAGTGTGCCCTGTCTGCGATGGCTGTGAGTACCAGGGACACC
 AGTATCAGAGCCAGGAGACCTTCAGACTCCAAGAGCGGGCCCTCTGTGTCCGCTGCTCCTGCCAGGCTGG
 CGAGGTCTCCTGTGAGGAGCAGGAGTGCCAGTACCCCTGTGCCCTGCCTGCCTCTGGCCGCCAGCTC
 TGCCAGCCTGTGAGCTGGATGGAGAGGAGTTTGTGAGGGAGTCCAGTGGGAGCCTGATGGTGGCCCT
 GCACCGCTGCGTCTGTCAAGATGGGGTACCAAGTGCGGGGCTGTGCTGTGCCCCCAGCCCCCTGCCA
 GCACCCACCCAGCCCCCTGGTGCCTGTGCCAGCTGTGACAGCTGCACCTACCACAGCCAAGTGAT
 GCCAATGGGCAGAACTTCACGGATGCAGACAGCCCTTGCCATGCCTGCCACTGTCAGGATGGAAGTGTGA
 CATGCTCCTTGTTGACTGCCCTCCACGACCTGTGCCAGGCCCCAGAGTGGACCAGGCCAGTGTGCCC
 CAGGTGCCAGACTGCATCCTGGAGGAAGAGGTGTTTGTGGACGGCGAGAGCTTCTCCACCCCGAGAC
 CCCTGCCAGGAGTGCCGATGCCAGGAAGGCCATGCCCACTGCCAGCCTCGCCCCTGCCCCAGGGCCCCCT
 GTGCCCCACCGCTGCCTGGGACCTGCTGCCGAACGACTGCAGCGGCTGTGCCTTTGGCGGGAAGAGTA
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 CAGTGCTGGCCCGCCGCTGCGTGCCGCTGCCCTGTCCAGAGCCTGTCTGCTGCCGGGAGAGTGCTGCC
 CGCAGTGCCAGCCGCCAGCCCCGCGCGCTGCCACGGCCCGGCGCGGCCACGCCGCCACCAGGA
 GTACTTCTCCCCGCCCGGCGATCCCTGCCGCGCTGCCTCTGCCTCGACGGCTCCGTGTCTGCCAGCGG
 CTGCCCTGCCCGCCCGCCCTGCGCGCACCCGCGCCAGGGGCTTGTGCCCTCCTGCGACGGCTGCC
 TGTACCAGGGGAAGGAGTTTGCCAGCGGGGAGCGCTTCCCATCGCCCACTGCTGCCTGCCACCTCTGCCT
 TTGCTGGGAGGGCAGCGTGAGCTGCGAGCCCAAGGCATGTGCCCTGCACTGTGCCCTTCCCTGCCAGG
 GCGCACTGCTGCCCTGACTGTGATGGTGAGGGTCATGGGATAGGAGCTGCCGGGTGGGATGCGGGAGA
 CCAGAGGGCTGGGTGAGAATAATCTTTACTGCCCTAGGGTGGATCTAAAAATTTATTACAG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226764 representing NM_199349
 Red=Cloning site Green=Tags(s)

MAGVGAAALSLLLHLGALALAAGAEGGAVPREPPGQQTAAHSSVLAGNSQEQWHPLREWLGRLEAAVMEL
 REQNKDLQTRVRQLESCECHPASPCWGLGRAWPEGARWEPDACTACVCQDGAHCGPQAHLPHCRGCSQ
 NGQTYGNGETFSPDACTTCRCLEGTITCNQKPCPRGPCPEPGACCPHCKPGCDYEGQLYEEGVTFLLSSN
 PCLQCTCLRSRVRCMALKCPPSPCEPVL RPHGCCPTCQGCTEGGSHWEHQEWTPGDPCRICRCLEGH
 IQCRQRECASLCPYPARPLPGTCCPVCDGCFNGREHRSGEVVGSGDPCSHCRCANGSVQCELP CPPVP
 CRHPGKIPGQCCPVCDGCEYQGHQYQSQETFR LQERGLCVRCSCQAGEVSCEEQECVTPCALPASGRQL
 CPACELDGEEFAEGVQWEPDGRPCTACVCQDGVKCGAVLCPPAPCQHPTQPPGACCPSCDSCTYHSQVY
 ANGQNFTDADSPCHACHCQDGTVTCSLVDCPPTTCARPQSGPGQCCPRCPDCILEEEVFVDGESFSHPRD
 PCQECRCQEGHAHCQPRPCPRAPCAHPLPGTCCPNDCSGCAFGGKEYPSGADFPHPSDPCR LCRCLSGNV
 QCLARRCVPLPCPEPVLLPGECCPQCPAAPAPAGCPRPGAAHARHQEYFSPPGDPCRCLCLDGSVSCQR
 LPCPPAPCAHPRQGPPCSCDGLYQKEFASGERFPSPTAACHLC LCWEGSVSCEPKACAPALCPFPAR
 GDCCPDCDGEHGI GSCRGMRETRGLGQNNLYCPRVDLKYLLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199349

ORF Size: 2442 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_199349.3](#)

RefSeq ORF: 2445 bp

Locus ID: 375616

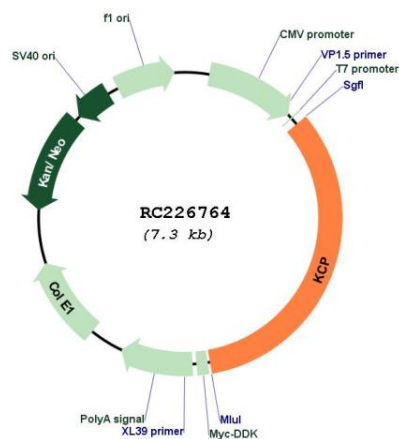
UniProt ID: [Q6ZWI8](#)

Cytogenetics: 7q32.1

MW: 86.4 kDa

Gene Summary: Enhances bone morphogenetic protein (BMP) signaling in a paracrine manner. In contrast, it inhibits both the activin-A and TGFB1-mediated signaling pathways (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC226764