

Product datasheet for **SC328014**

KCP (NM_199349) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCP (NM_199349) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCP
Synonyms:	CRIM2; KCP1; NET67
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_199349, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGGGGTGGGGCCGCTGCGCTGTCCCTTCTCCTGCACCTCGGGGCCCTGGCGCTG
GCCGCGGGCGCGGAAGGTGGGGCTGTCCCAGGGAGCCCCCTGGGCAGCAGACAACTGCC
CATTCTCAGTCCTTGTGGAACTCCCAGGAGCAGTGGCACCCCTGCGAGAGTGGCTG
GGGCGACTGGAGGCTGCAGTGATGGAGCTCAGAGAACAGAATAAGGACCTGCAGACGAGG
GTGAGGCAGCTGGAGTCTGTGAGTGCCACCCTGCATCTCCCAGTGTGGGGGCTGGGG
CTGTCCTGGCCCGAGGGGGCACGCTGGGAGCCTGACGCCTGCACAGCCTGCGTCTGCCAG
GATGGGGCCGCTCACTGTGGCCCCAAGCACACCTGCCCCATTGCAGGGGCTGCAGCCAA
AATGGCCAGACCTACGGCAACGGGGAGACCTTCTCCCAGATGCCTGCACCACTGCCGC
TGTCTGGAAGGTACCATCACTTGAACCAAGCCATGCCAAGAGGACCTGCCCTGAG
CCAGGAGCATGTGCCCGCACTGTAAGCCAGGCTGTGATTATGAGGGGACGCTTTATGAG
GAGGGGGTCACCTTCTGTCCAGCTCAACCTTGTCTACAGTGCACCTGCCTGAGGAGC
CGAGTTTCGCTGCATGGCCCTGAAGTGCCCGCTAGCCCCCTGCCAGAGCCAGTGTGAGG
CCTGGGCACTGTGCCAACCTGCCAAGGCTGCACAGAAGGTGGCTCTCACTGGGAACAT
GGCCAAGAGTGGACAACACCTGGGGACCCCTGCCGAATCTGCCGCTGCCTGGAGGGTCA
ATCCAGTGCCCGCAGCGAGAATGTGCCAGCCTGTGTCCATACCCAGCCCGGCCCTCCCA
GGCACCTGCTGCCCTGTGTGTGATGGCTGTTTCTAAACGGGCGGGAGCACCGCAGCGGG
GAGCCTGTGGGCTCAGGGGACCCCTGCTCGCACTGCCGCTGTGCTAATGGGAGTGTCCAG
TGTGAGCCTCTGCCCTGCCCGCCAGTGCCTGCAGACCCAGGCAAGATCCCTGGGCAG
TGCTGCCCTGTCTGCGATGGCTGTGAGTACCAGGGACACCAGTATCAGAGCCAGGAGACC
TTCAGACTCCAAGAGCGGGGCTCTGTGTCCGCTGCTCCTGCCAGGCTGGCGAGGTCTCC
TGTGAGGAGCAGGAGTGCCCACTCACCCCTGTGCCCTGCCTGCCTCTGGCCGCCAGCTC
TGCCACAGCCTGTGAGCTGGATGGAGAGGAGTTTGTGAGGGAGTCCAGTGGGAGCCTGAT
GGTCGGCCCTGCACCGCCTGCGTCTGTCAAGATGGGGTACCCAAGTGCGGGGCTGTGCTC
TGCCCCCAGCCCCCTGCCAGCACCCACCCAGCCCCCTGGTGCCTGCTGCCCACTGTG
GACAGCTGCACCTACCACAGCCAAGTGTATGCCAATGGGCAGAACTTACGGATGCAGAC
AGCCCTTGCCATGCCTGCCACTGTCAGGATGGAAGTGTGACATGCTCCTGGTTGACTGC
CCTCCCACGACCTGTGCCAGGCCCCAGAGTGGACCAGGCCAGTGTGCCCCAGGTGCCCA
GACTGCATCCTGGAGGAAGAGGTGTTTGTGGACGGCGAGAGCTTCTCCACCCCCGAGAC
CCCTGCCAGGAGTGCCGATGCCAGGAAGGCCATGCCCACTGCCAGCCTCGCCCCCTGCCCC
AGGGCCCCCTGTGCCACCCGCTGCCTGGGACCTGCTGCCGAACGACTGCAGCGGCTGT
GCCTTTGGCGGGAAAGAGTACCCAGCGGAGCGGACTTCCCCACCCCTCTGACCCTGC
CGTCTGTGTGCTGTCTGAGCGGCAACGTGCAGTGCCTGGCCCGCCGCTGCGTGCCGCTG
CCCTGTCCAGAGCCTGTCTGTGTCGGGAGAGTGTGCCCGCAGTGGCCAGCCGCCCA
GGCCCCGCGGCTGCCACGGCCCGGCGCGGCCACGCCCGCCACCAGGAGTACTTCTCC
CCGCCCCGCGATCCCTGCCCGCCTGCTCTGCCTCGACGGCTCCGTGTCTGCCAGCGG
CTGCCCCGCCCGCCCGCCCTGCGCGCACCCGCGCCAGGGGCCCTGTGCCCTCCTGC
GACGGCTGCCTGTACCAGGGGAAGGAGTTTGCCAGCGGGGAGCGCTTCCATCGCCCACT
GCTGCCTGCCACCTCTGCCTTTGCTGGGAGGGCAGCGTGAGCTGCGAGCCCAAGGCATGT
GCCCCTGCACTGTGCCCTTCCCTGCCAGGGGCGACTGTGCCCTGACTGTGATGGTGAG
GGTCATGGGATAGGGAGCTGCCGGGGTGGGATGCGGGAGACCAGAGGGCTGGGTGAGAAT
AATCTTTACTGCCCTAGGTGGATCTAAATATTTATTACAG

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Restriction Sites: Please inquire

ACCN: NM_199349

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:	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:	NM_199349.2 , NP_955381.2
RefSeq Size:	2774 bp
RefSeq ORF:	2445 bp
Locus ID:	375616
UniProt ID:	Q6ZWI8
Cytogenetics:	7q32.1
Gene Summary:	Enhances bone morphogenetic protein (BMP) signaling in a paracrine manner. In contrast, it inhibits both the activin-A and TGFβ1-mediated signaling pathways (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has an alternate internal segment and lacks multiple 3' exons, but has an alternate 3' sequence, as compared to variant 1. The resulting isoform (2) is much shorter and has a different internal segment and a different C-terminus, as compared to isoform 1.