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Product datasheet for SC326385

KCP (NM_001135914) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCP (NM_001135914) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCP
Synonyms:	CRIM2; KCP1; NET67
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326385 representing NM_001135914. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCGGGGTCGGGGCCGCTGCGCTGTCCCTTCTCCTGCACCTCGGGGCCCTGGCGCTGGCCGCGGGC
GCGGAAGGTGGGGCTGTCCCCAGGGAGCCCCCTGGGCAGCAGACAACTGCCCATTCCTCAGTCCTTGCT
GGGAACTCCCAGGAGCAGTGGCACCCCCTGCGAGAGTGGCTGGGGCGACTGGAGGCTGCAGTGATGGAG
CTCAGAGAACAGAATAAGGACCTGCAGACGAGGGTGAGGCAGCTGGAGTCCTGTGAGTGCCACCCTGCA
TCTCCCCAGTGCTGGGGGCTGGGGCGTGCCTGGCCCGAGGGGGCACGCTGGGAGCCTGACGCCTGCACA
GCCTGCGTCTGCCAGGATGGGGCCGCTCACTGTGGCCCCCAAGCACACCTGCCCCATTGCAGGGGCTGC
AGCCAAAATGGCCAGACCTACGGCAACGGGGAGACCTTCTCCCCAGATGCCTGCACCACCTGCCGCTGT
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CCTGGGGAGTGCTGCCCCATCTGCTGCACAGAAGGTGGCTCTCACTGGGAACATGGCCAAGAGTGGACA
ACACCTGGGGACCCCTGCCGAATCTGCCGGTGCCTGGAGGGTCACATCCAGTGCCGCCAGCGAGAATGT
GCCAGCCTGTGTCCATACCCAGCCCGGCCCCTCCCAGGCACCTGCTGCCCTGTGTGTGATGGCTGTTTC
CTAAACGGGCGGGAGCACCGCAGCGGGGAGCCTGTGGGCTCAGGGGACCCCTGCTCGCACTGCCGCTGT
GCTAATGGGAGTGTCCAGTGTGAGCCTCTGCCCTGCCCGCCAGTGCCCTGCAGACACCCAGGCAAGATC
CCTGGGCAGTGCTGCCCTGTCTGCGATGGCTGTGAGTACCAGGGACACCAGTATCAGAGCCAGGAGACC
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CAGGAGTGCCCAGTCACCCCCTGTGCCCTGCCTGCCTCTGGCCGCCAGCTCTGCCCAGCCTGTGAGCTG
GATGGAGAGGAGTTTGCTGAGGGAGTCCAGTGGGAGCCTGATGGTCGGCCCTGCACCGCCTGCGTCTGT
CAAGATGGGGTACCCAAGTGCGGGGCTGTGCTCTGCCCCCCAGCCCCCTGCCAGCACCCCACCCAGCCC
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TTCACGGATGCAGACAGCCCTTGCCATGCCTGCCACTGTCAGGATGGAACTGTGACATGCTCCTTGGTT
GACTGCCCTCCCACGACCTGTGCCAGGCCCCAGAGTGGACCAGGCCAGTGTTGCCCCAGGTGCCCAGAC
TGCATCCTGGAGGAAGAGGTGTTTGTGGACGGCGAGAGCTTCTCCCACCCCCGAGACCCCTGCCAGGAG

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TGCCGATGCCAGGAAGGCCATGCCCACTGCCAGCCTCGCCCCTGCCCCAGGGCCCCCTGTGCCCACCCG
CTGCCTGGGACCTGCTGCCCGAACGACTGCAGCGGCTGTGCCTTTGGCGGGAAAGAGTACCCCAGCGGA
GCGGACTTCCCCCACCCCTCTGACCCCTGCCGTCTGTGTCGCTGTCTGAGCGGCAACGTGCAGTGCCTG
GCCCGCCGCTGCGTGCCGCTGCCCTGTCCAGAGCCTGTCCTGCTGCCGGGAGAGTGCTGCCCGCAGTGC
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CCACCCCTTCCCTGCAAGCTCCAGGTCACCGAGCGGGGGAGCTGCTGCCCTCGCTGCAGAGGCTGCCTG
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TGTCACGAGGGCGTCGTCACCTGTGCACGCATCCAGTGCATCAGCTCTTGCGCCCAGCCCCGCCAAGGG
CCCCATGACTGCTGTCCTCAATGCTCTGACTGTGAGCATGAGGGCCGGAAGTACGAGCCTGGGGAGAGC
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GCCCCACCAGACCCCTGCTACACGTGCCAGTGCCAGGACCTGACATGGCTCTGCATCCACCAGGCTTGT
CCTGAGCTCAGCTGTCCCCTCTCAGAGCGCCACACTCCCCCTGGGAGCTGCTGCCCCGTATGCCGGGCT
CCCACCCAGTCCTGCGTGCACCAGGGCCGTGAGGTGGCCTCTGGAGAGCGCTGGACTGTGGACACCTGC
ACCAGCTGCTCCTGCATGGCGGGCACCGTGCGTTGCCAGAGCCAGCGCTGCTCACCGCTCTCGTGTGGC
CCCGACAAGGCCCCTGCCCTGAGTCCTGGCAGCTGCTGCCCCCGCTGCCTGCCTCGGCCCGCTTCCTGC
ATGGCCTTCGGAGACCCCCATTACCGCACCTTCGACGGCCGCCTGCTGCACTTCCAGGGCAGTTGCAGC
TATGTGCTGGCCAAGGACTGCCACAGCGGGGACTTCAGTGTGCACGTGACCAATGATGACCGGGGCCGG
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GCAGGTTACCGTGCCAGGCGTGAGGCCAATGCCCGGTGTGGGGTGCTGAAGTCCTCCCCATTCAGTCGC
TGCCATGCTGTGGTGCCACCGGAGCCCTTCTTTGCCGCCTGTGTGTATGACCTGTGTGCCTGTGGCCCT
GGCTCCTCCGCTGATGCCTGCCTCTGTGATGCCCTGGAAGCCTACGCCAGTCACTGTCGCCAGGCAGGA
GTGACACCTACCTGGCGAGGCCCCACGCTGTGTGTGGTAGGCTGCCCCCTGGAGCGTGGCTTCGTGTTT
GATGAGTGCGGCCCACCCTGTCCCCGCACCTGCTTCAATCAGCATATCCCCCTGGGGGAGCTGGCAGCC
CACTGCGTGAGGCCCTGCGTGCCCGGCTGCCAGTGCCCTGCAGGCCTGGTGGAGCATGAGGCCCACTGC
ATCCCACCCGAGGCCTGCCCCCAAGTCCTGCTCACTGGAGACCAGCCACTTGGTGCTCGGCCCAGCCCC
AGCCGGGAGCCCCAGGAGACACCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001135914

Insert Size: 4512 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).
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_001135914.1
RefSeq Size:	4733 bp
RefSeq ORF:	4512 bp
Locus ID:	375616
UniProt ID:	Q6ZWJ8
Cytogenetics:	7q32.1
MW:	159.9 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] Transcript Variant: This variant (1) is the longer transcript and encodes the longer isoform (1).