

Product datasheet for **RG226764**

KCP (NM_199349) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCP (NM_199349) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KCP
Synonyms:	CRIM2; KCP1; NET67
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG226764 representing NM_199349
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCCGGGGTCGGGGCCGCTGCGCTGTCCCTTCTCCTGCACCTCGGGGCCCTGGCGCTGGCCGCGGGCG
 CGGAAGGTGGGGCTGTCCCCAGGGAGCCCCCTGGGCAGCAGACAACTGCCATTCCCTCAGTCCTTGCTGG
 GAACTCCAGGAGCAGTGGCACCCCTGCGAGAGTGGCTGGGGCGACTGGAGGCTGCAGTGATGGAGCTC
 AGAGAACAGAATAAGGACCTGCAGACGAGGGTGAGGCAGCTGGAGTCTGTGAGTGCCACCCTGCATCTC
 CCCAGTGCTGGGGCTGGGGCGTGCCTGGCCGAGGGGGCAGCTGGGAGCCTGACGCTGCACAGCCTG
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 GCGCACTGCTGCCCTGACTGTGATGGTGAGGGTATGGGATAGGAGCTGCCGGGGTGGATGCGGGAGA
 CCAGAGGGCTGGGTGAGAATAATCTTTACTGCCCTAGGGTGGATCTAAAAATTTATTACAG

ACCGTACGCGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG226764 representing NM_199349
 Red=Cloning site Green=Tags(s)

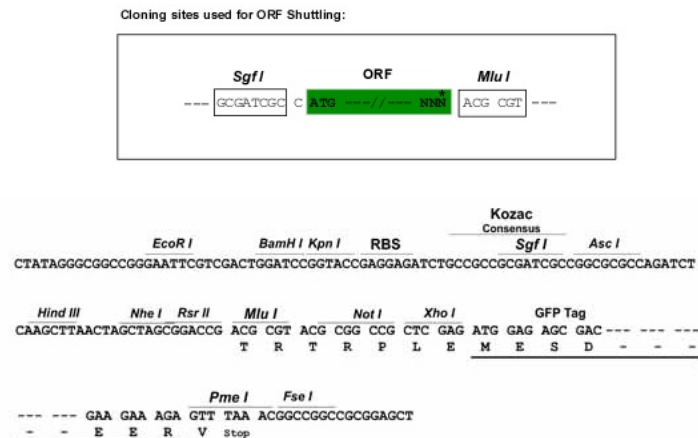
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CPACELDGEEFAEGVQWEPDGRPCTACVCQDGVKCGAVLCPPAPCQHPTQPPGACCPSCDSCTYHSQVY
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PCQECRCQEGHAHCQPRPCPRAPCAHPLPGTCCPNDCSGCAFGGKEYPSGADFPHPSDPCRCLCRCLSGNV
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LPCPPAPCAHPRQGPCCPSCDGLYQGEFASGERFPSPTAACHLCCLWEGSVSCEPKACAPALCPFPAR
GDCCPDCDGEHGI GSCRGGMRETRGLGQNNLYCPRVDLYLLQ
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TRTRPLE – GFP Tag – V

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.

RefSeq: [NM_199349.3](#)

RefSeq Size: 2774 bp

RefSeq ORF: 2445 bp

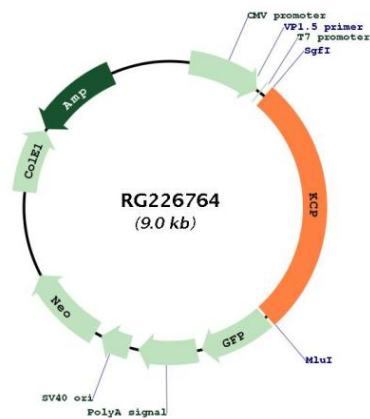
Locus ID: 375616

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 TGFB1-mediated signaling pathways (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG226764