

Product datasheet for **RC217678**

KPRP (NM_001025231) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KPRP (NM_001025231) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KPRP
Synonyms:	C1orf45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC217678 representing NM_001025231
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTGTGACCAGCAGCAGATCCAGTGCCGCTGCCGCTCCAACAGTGCTGCGTCAAGGGTCCCTCCTTCT
 GCTCCTCTCAATCCCCCTTTGCCAGAGCCAAGTGGTGGTTCAAGCCCTTGTGAGATGCAAATTGTGGA
 CTGCCCTGCATCATGCCAGTTCAAGTTTGCCAGGTGTCAGACCAGGCTCCATGCCAGTCTCAGACCACA
 CAGGTGAAGTGCCAGTCTAAGACCAAGCAGGTGAAGGGCCAGGCTCAATGTCAGTCTAAGACCACCCAGG
 TGAAGGGCCAGGCTGCATCCCAATCTCAAATCTCTGTTCAAAGCCAGGCTCCATGCCAATCTGAGGT
 GTCCTACGTGCAGTGCAGGCGTCACAACCTGTTCAAGTCTGTTCTGTAAGTGTGCTCCAGTTTGTAT
 ACAGAACTTGTATGTAGAATGCCAGTCCAGAACTATGTACCCTGTCCAGTCTCAGCCTGTCCAGA
 TGTATAGAGGGCGTCTGCAGTGTGCCAGCTCAGGGAAGATTCTCCACCCAGTGCCAGTATCAAGGCTC
 CTATAGCAGTTGTGGCCCCAGTTTCAGTCAAGGGCTACCTGCAACAACACACCCCCAGTTCCAGTTG
 AGGCTTCTCTACAGCAGCTGTTTCCCTCAGTATCGGTCCCGGACTTCATTAGTCCCTGTGTGCCCCAGT
 GCCAGACCCAGGGCTCCTATGGGAGCTTCACTGAACAGCACCGCTCTCGAGCACCAGCAGATGCCTTCC
 TCCTCCTCGGCGGCTGCAGCTTTTCCCCCGCAGCTGTTCCCCACCAAGACGTTTTGAGCCCTGCTCCAGC
 AGCTACCTGCCACTAAGACCTCTGAAGTTTCCCTAACTACTGCACCCACCCCGCGCTCTGAACCCA
 TATATAACAGTCGCTGTCTCGCCGCCCATTTCAAGTGTCTCTCAGAGACGTGGCCCCAAGTGCCGAAT
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 TGCAGGGAGACTTGCGCAGCCCGAGCCATGCTGGGGCCCAATCCAGTTCCATACCCAGGAGACCTAG
 GCTGTCTAGTCTAGTCCACACCGCTAGACACCGAAGTCCCTACTGTGGCCATCCAGTTACAACCA
 GGGCAAGAGAGTGGTGTGGCTGTGGGCTGGTGTGTTTCCAGAGCGGAGGGGTGAGATGGCCAT
 GGAGACCAAGGCAATGCCTTTGCTGGAGTGAAAGGGGAAGCAAGAGTGCTTATTTT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC217678 representing NM_001025231
 Red=Cloning site Green=Tags(s)

MCDQQQIQRLPLQQCCVKGPSFCSSQSPFAQSQVQVQAPCEMQIVDCPASCPVQVCQVSDQAPCQSQT
 QVKCQSKTKQVKQAQCQSKTTQVKQAASQSTSSVQSQAPCQSEVSYYQCEASQPVQTCFVECAPVCY
 TETCYVECPVQNYVPCPAPQPVQMYRGRPAVCQPQGRFSTQCQYQGSYSSCGPQFQSRATCNYTPQFQL
 RPSYSSCFPQYRSRTSFSPCVQCQTQGSYGSFTEQHRSRSTSRLPPPRRLQLFPRSCSPRRFEPCCS
 SYLPLRPSGFPNYCTPPRRSEPIYNSRCPRRPISSCSQRRGPKCRIEISSPCCPRQVPPQRCPEIPPI
 RRRSQSCGPQPSWGASCPRLPHVEPRPLSFPCPPRRLDQCPESPLQRCPPPAPRPLRPEPCISLEPRP
 RPLPRQLSEPCLYPEPLALRPTPRPVPLPRGQCEIPEPRPCLQPCHEPEPCPRPEIPLPAPCPSPEP
 CRETWRSPSPCWGNPVYPYPGDLGCHESPHRLDTEAPYCGPSSYNQGGQESGAGCGPGDVFERRGQDGH
 GDQGNFAFAGVKGEAKSAYF

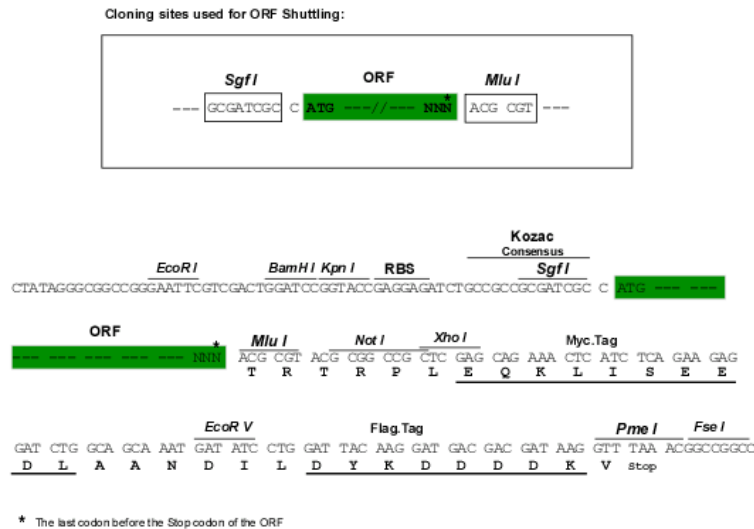
TRTRPLE**QKLISEEDLA**AND**ILDYKDDDDKV**

Chromatograms:

https://cdn.origene.com/chromatograms/mk8015_a04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001025231

ORF Size: 1737 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_001025231.2](#)

RefSeq Size: 2523 bp

RefSeq ORF: 1740 bp

Locus ID: 448834

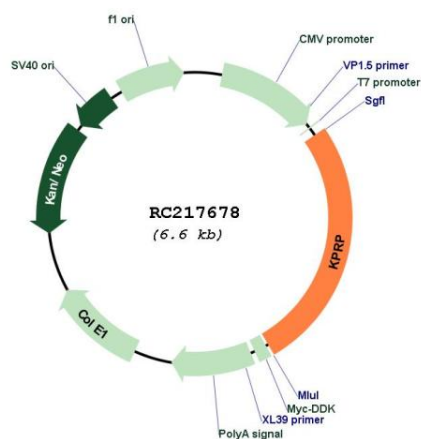
UniProt ID: Q5T749

Cytogenetics: 1q21.3

MW: 64 kDa

Gene Summary: This gene encodes a proline-rich skin protein possibly involved in keratinocyte differentiation.
[provided by RefSeq, Jul 2016]

Product images:



Circular map for RC217678