

Product datasheet for **RG217678**

KPRP (NM_001025231) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KPRP (NM_001025231) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KPRP
Synonyms:	C1orf45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG217678 representing NM_001025231
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGTGTGACCAGCAGCAGATCCAGTGCCGCTGCCGCTCCAACAGTGCTGCGTCAAGGGTCCCTCCTTCT
 GCTCCTCTCAATCCCCCTTTGCCAGAGCCAAGTGGTGGTTCAAGCCCTTGTGAGATGCAAATTGTGGA
 CTGCCCTGCATCATGCCAGTTCAAGTTTGCCAGGTGTCAGACCAGGCTCCATGCCAGTCTCAGACCACA
 CAGGTGAAGTGCCAGTCTAAGACCAAGCAGGTGAAGGGCCAGGCTCAATGTCAGTCTAAGACCACCCAGG
 TGAAGGGCCAGGCTGCATCCCAATCTCAAATCTCTGTTCAAAGCCAGGCTCCATGCCAATCTGAGGT
 GTCCTACGTGCAGTGCGAAGCGTCACAACCTGTTCAAGTCTGTTCTGTAAGTGTGCTCCAGTTTGTAT
 ACAGAACTTGTATGTAGAATGCCAGTCCAGAACTATGTACCCTGTCCAGTCTCAGCCTGTCCAGA
 TGTATAGAGGGCGTCTGCAGTGTGCCAGCCTCAGGGAAGATTCTCCACCCAGTGCCAGTATCAAGGCTC
 CTATAGCAGTTGTGGCCCCAGTTTCAGTCAAGGGCTACCTGCAACAACACACCCCCAGTTCCAGTTG
 AGGCTTCTCTACAGCAGCTGTTTCCCTCAGTATCGGTCCCGGACTTCATTAGTCCCTGTGTGCCCCAGT
 GCCAGACCCAGGGCTCCTATGGGAGCTTCACTGAACAGCACCGCTCTCGAGCACCAGCAGATGCCTTCC
 TCCTCCTCGGCGGCTGCAGCTTTTCCCCCGCAGCTGTTCCCCACCAAGACGTTTTGAGCCCTGCTCCAGC
 AGCTACCTGCCACTAAGACCCTCTGAAGGTTTCCCTAACTACTGCACCCACCCCGCCGCTCTGAACCCA
 TATATAACAGTCGCTGTCTCGCCGCCCATTTCAAGTGTCTCTCAGAGACGTGGCCCCAAGTGCCGAAT
 CGAGATTTCTCCCGTGTCTGCCCGAGGAGTTCCTCCACAGAGGTGTCTGTTGAGATTCTCCCATC
 AGACGCCGCTCCAGAGTGTGGCCCGCAGCCCTCTGGGCGCCTCTGCCCTGAGTGTAGGCCACACG
 TAGAGCCACGTCCACTCCAAGCTTCTGTCCACACGGCGTCTTGACAGTGTCCAGAGTCAACTGCA
 GCGATGTCCACCTCTGTCTCCAGTCCAGTCTGCGGCCAGAACCATGCATAAGTCTAGAACCACGCCCG
 CGTCTCTACCACGACAACCTTTCAGAACCTTGTGTATCCAGAACCACTTCCAGCACTAGTCCAACAC
 CGCGGCCAGTTCCCTTCTCGCCAGGCGAGTGTGAGATTCCAGAGCCAGTCCATGCCTGCAGCCCTG
 TGAGCACCCAGAGCCTTGTCCACGACCAGAGCCAATTCCCTGCCGGCGCCCTGCCAAGCCCGAGGCC
 TGCAGGGAGACTTGGCGCAGCCCGACCCATGCTGGGGCCCAATCCAGTTCCATACCCAGGAGACCTAG
 GCTGTCTAGTCTAGTCCACACCGCTAGACACCGAAGTCCCTACTGTGGCCATCCAGTTACAACCA
 GGGGAAGAGAGTGGTGTGGCTGTGGGCTGGTGTGTTTCCAGAGCGGAGGGGTGAGATGGCCAT
 GGAGACCAAGGCAATGCCTTTGCTGGAGTGAAAGGGGAAGCAAGAGTGCTTATTTT

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG217678 representing NM_001025231
 Red=Cloning site Green=Tags(s)

MCDQQIQCRLPLQCCVKGPSFCSSQSPFAQSQVQVQAPCEMIQVDCPASCVPVQCVQSDQAPCQSQT
 QVKCQSKTKQVKQAQCQSKTTQVKQAASQSQTSSVQSQAPCQSEVSYVQCEASQPVQTCFVECAPVCY
 TETCYVECPVQNYVPCPAPQPVQMYRGRPAVCQPQGRFSTQCQYQGSYSSCGPQFQSRATCNNTQPFQL
 RPSYSSCFPQYRSRTSFSPCVQCQTQGSYGSFTEQHRSRSTSRLPPPRRLQLFPRSCSPRRFEPCSS
 SYLPLRPSEGFNPYCTPPRRSEPIYNSRCPRRPISSCSQRRGPKCRIEISSPCCPRQVPPQRCPEIPPI
 RRRSQSCGPQPSWGASCPRLPHVEPRPLPSFCPPRRLDQCPESPLQRCPPAPRPRLRPEPCISLEPRP
 RPLPRQLSEPCLYPEPLPALRPTPRPVPLPRPGQCEIPEPRPCLQPCHEPEPCPRPEIPLPAPCPSPEP
 CRETWRSPSPCWGPNVPYPGDLGCHESSPHRLDTEAPYCGPSSYNQGESGAGCGPGDVFERRGQDGH
 GDQGNFAGVKGEAKSAYF

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-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.

RefSeq: [NM_001025231.2](#)

RefSeq Size: 2523 bp

RefSeq ORF: 1740 bp

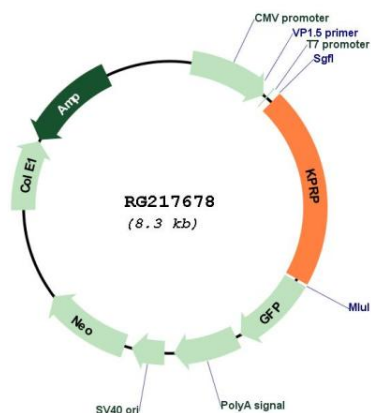
Locus ID: 448834

UniProt ID: [Q5T749](#)

Cytogenetics: 1q21.3

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 RG217678