

Product datasheet for **RR206245**

Zfp978 (NM_001025677) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp978 (NM_001025677) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp978
Synonyms:	RGD1308782
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206245 representing NM_001025677 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCTGTGCTGTGCCGAGACACCCTTGCTAAGCACGGACAATGTGACGATCCTTCAGACCTCCTCCAGTC
TTCTCAGGCATCAAGTGACTTACACTGCTGGGGACACCCCATGAACACTGAGAGTGAGAGAGGCCATTCA
GAGTGAGAAGAAGAACTGCATATGCAGTGACTGTGGCAAACTTTACTAGCACGTCCACCTCAATCGG
CACCGGATGATACACACGGGAGAAAAGCCTTTCCAGTGCACTGAGTGTTGGGATGTCCTTCAGCCAAAAAG
CCTTTCTCATTAAACATTTTAGAATTCACACAGGAGAGAAGCCTTTCAGGTGTGGTGAGTGTGGCAAAGC
CTTCAAGCATAATATTTCCCTTGTTTCTCACCAGCGAGTTCACACAGGAGAGACGCCCTTTACCTGCACG
GAATGTGGGAAATCATATATGACCAGATCCAACCTTACACGTCACTTTCAAGTTCATGCTTCAGAAAAGC
CTTACAGTTGCAGTGAATGTGGCAAAGCGTTTAAGGAGAAATCCAGCCTCATTTATCATGCACGAGTGCA
CACCCGTGAAAGGCCCTTTTCAGTGACGAGATTGTGGGAAGTCCTTCAGCCAAAAAGCCTTTCTCATTAA
CATTTCAGAGTTCACACTGGAGAGAAGCCTTTCAGGTGCACTGAGTGTTGGCAAAGCCTTTAAACACA
GCTTCCTTGTTGCTCATCAGCGAGTTCACACAGGAGAGACACCTTTACGTGCACTGAATGTGGCAAGTC
ATACATGAACAGATCCAGCCTTCTATATCATTATCGGGTTCATACTGGAGAAAAGCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206245 representing NM_001025677

Red=Cloning site Green=Tags(s)

MLCCAETPLSLTDNVTILQTSSSLRHQVYTAGDTPMNTESGEAIQSEKNCICSDCGKFTTSTSHLNR
HRMIHTGEKPFQCEGMSFSQKAFLIKHFRIHTGEKPFRCGECGAKFHNI SLVSHQRVHTGETPFTCT
ECGKSYMTRSNLTRHFQVHASEKPYSCSECGKAFKEKSSLIYHARVHTRERPFQSCDGKSFQKAFLIK
HFRVHTGEKPERCSECGKAFKHNCI VAHORVHTGETPFTCTECGKSYMNRSSI YHVRVHTGEKP

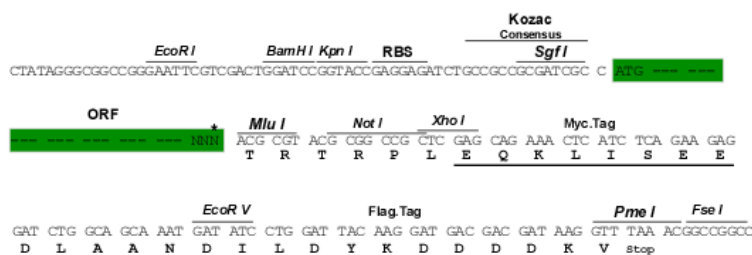
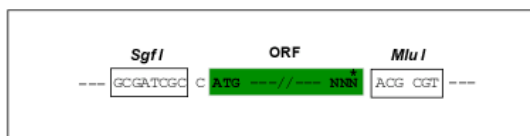
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001025677

ORF Size: 828 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_001025677.1, NP_001020848.1

RefSeq Size: 1657 bp

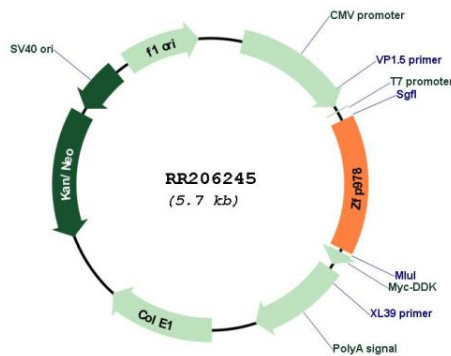
RefSeq ORF: 831 bp

Locus ID: 308318

Cytogenetics: 1q12

MW: 31.3 kDa

Product images:



Circular map for RR206245