

## Product datasheet for **RR200021**

### Zfp458 (NM\_001024299) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp458 (NM_001024299) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp458
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RR200021 representing NM\_001024299  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTTGGAGAATTACAGCAACCTTGTGTTCTGGTCTTGTCTCCTAAGCCATACCTGATTACACTTC  
TGGAAACAATAAAGAGCCTTCAGATATGAAGAACGAGAGGCTATCACTCTGCACCCAGGGGAAAATG  
CTATATGTGCGAAGAATGTGGCCAAGTCTTTGAGTGGAAGAAAGTACTTCAGAATCACCAGAAAATTCAT  
TTAAGAGCAAAGCCTTACAAGTGTGAAGAATGTGGCAAGTCTTTCCATTTTCCATCATTACTTTCTGCAC  
ACAAAAGAAATCATACAGGAGAAAACTCTACAAGTGTGAAATATGTTGTAAGCCTTCCATGCTTCTTC  
ACTGCTTTCTTTACACAAGAGAATTCATACAGGACAGAAACCCACGAGTCTGAAAATTATAGCAAGGAC  
TTCCATTATCCATCATTACTTTCTAAAACAAGGTAGTTCATACAGGAGAAAAATCCACCAATGTGAAG  
ACCATGGCAAGACCTTCCATTATCCATCAACATTTTCCAAGCATAAGAAAATTCATACAGGAGAGAAACC  
ACACAAGTGTGAAGTATGTGGCAAGGCCTTCGACTATCCATCAAGACTTTCCAACCATAAGAGAATTCAT  
ACAGGAGAAAAACCTACAATGTGAAGTATGTGACAGAGCCTTCCATGATCCATCAAACTTTCTCAAC  
ACAAAATAATTCATACAGGAGAAAAACCTACAATGTGACGTTTGTGGCAAGGCCTTTCATTATCCATC  
CATACTTTCTAAACATAAGATAATTCATACAGAAGAGAATCTCTGCAAGTGTGATATATGTGGCAAGGCC  
TTCCATTATCCATTACTTTCTCAACACAAAATAGTTCATACAGGAGAAAAACCTACAATGTGAAG  
ACTGTGGCAAAGCCTTCTATTATCCATCAAGACTTTCCAGACATAAGAAAATACATACAGGAGAGAAACC  
ATACAAGTGTGAAGTATGTGGCAAGGCCTTCCATTATCTATCCATACTTTCTAAACACAAGATAGTTCAT  
ACAGAAGAGAATCCCTACAAGTGTGAAGTATGTGGCAAGGCCTTGGATTATCCATCAAGGCCTTCCAACC  
ATAAAAAATTCATACAGAAGAGAAACCATACAAGTGTGAAGTATGTGGAAATGCCTTCTGTTTTTCATC  
ATCACTTCGTAACACAAGATAATTCACACAGGAGAGAAACCTACAAGTGTGAAGTATGTGGCAAGGCC  
TTTGGTCTCCATCAAGACTTTCCAACATAAGAAAATTCATACAGAAGAGAAACCATACAAGTGTGAAG  
TATGTGGAAAGGCCTTCCACTTTCCATCATTACTCTCGGTACACAAGAGAATTCATACGGGAGAAAAACC  
CTACAAGTGTGAGATATGTGGCAAAGCCTTCTATTGTGCATCAACACTTTCTGTACACAAGAGAATTCAT  
ACTGGAGAAAACAACTACAAGTGTGAAGTATGTGGCAAAGCCTTCCATTGTCCATCAACACTTTCAAGTGC  
ACAGGAGAAATTCATACTCAAGAAAAACCATACAAGTGTGAAGTATGTGGCCAGGCATTCCATGTTTCATC  
TAAACTCTTTATCATAAGAGAATTCATACAGCAGAAAAACCTACAATGTGAAATTTGTGGCAAGGCC  
TTCTATTATCCATCAAGACTTTCCAAGCATAAGATAGTTCATATGGGAGAGAAACGCTACCATGGTCAAG  
CATGTGGCAAGGCCTTGATTATCCATCAAGACATTCTAAACATAAGAACTTAATCCAGGAGAGAAACC  
ACACAAATGTGAAATATGTGGAAAAGCCTTCCACTTTCCATCATTACTTTTCGATACACAAGAAAATTCAT  
ACTGGAGAAAAACCTGTAAGTGTGAAGTATGTGGCAAGGACTTCCATTATCCATCAAGACTTTCAAACC  
ACAAGAAAATTCATACAGAAGGGAAAGCATACAAGTGTGATATTTGTGACAAGACCTTCAATTATAAATC  
ATTACTTTCTAAACACAAGATTGGTCATACAGTAGAGAATACCTACCACAGTGAAGTATGTGGGAAGGCC  
TTTGGTATTCTCAAGAATTTCCAAGATAAGAACTTCATTACAGGAGAGAAACTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200021 representing NM\_001024299  
 Red=Cloning site Green=Tags(s)

MLENYSNLVFLGLASSKPYLITLLEQIKEPSDMKKREAITLHPGGKCYMCEEQGVFEWKKVLQNHQKIH  
 LRAKPYKCEEKGSFHFPSLLSAHKRNHTGEKLYNCEICCKAFHASSLLSLHKRIHTGQKPHSENYSKD  
 FHYPSSLSONKVVHTGEKSYQCEDHGKTFHYPSTFSKHKKIHTGEKPHKCEVCGKAFDYPSSLNHHKRIH  
 TGEKPYKCEVCDRAFHDPSKLSQHKIIHTGEKPYKCDVCGKAFHYPSSILSKHKIIHTEENLCKCDICGKA  
 FHYPLLLSQHKIVHTGEKPYKCEDCGKAFYPSRSLSRHKKIHTGEKPYKCEVCGKAFHYLSILSKHKIVH  
 TEENPYKCEVCGKAFDYPSSLNHHKIIHTEEKPYKCEVCGNAFCFSSSLRKHKIIHTGEKPYKCEVCGKA  
 FGSPSSLKHKIIHTEEKPYKCEVCGKAFHFPSSLVHKRIHTGEKPYKCEICGKAFYCASTLSVHKRIH  
 TGENNYKCEVCGKAFHCPSTLSVHRIHTQEKPYKCEVCGQAFHVSSKLSYHKRIHTAEKPYKCEICGKA  
 FYYPSRSLSKHKIVHMGEKRYHGQACGKALDYPSSRSHKHKLNPGKPHKCEICGKAFHFPSSLIIHKKIHT  
 TGEKTCVCGKDFHYPSSLNHHKIIHTGKAYKCDICDKTFNYKSLLSKHKIGHTVENTYHSEVCGKA  
 FGYSSRISKDKKLHSGEKL

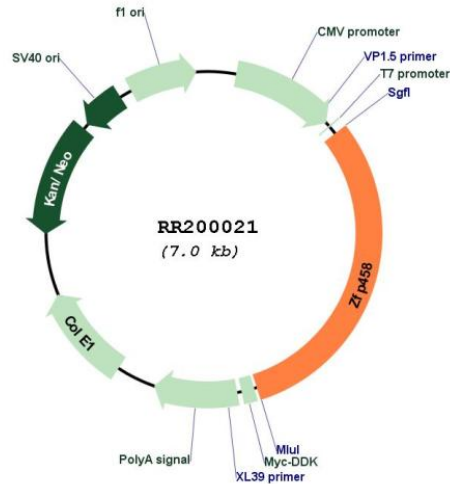
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001024299

**ORF Size:** 2157 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\\_001024299.1](#), [NP\\_001019470.1](#)

**RefSeq Size:** 3293 bp

RefSeq ORF: 2160 bp  
Locus ID: 499563  
Cytogenetics: 2q22  
MW: 82.8 kDa