

Product datasheet for **RR215652**

Zpr1 (NM_001137646) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zpr1 (NM_001137646) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zpr1
Synonyms:	RGD1562173; Zfp259
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR215652 representing NM_001137646
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGCCACGGGGCTGTGCAGCCCGACCTCCGGGGCTGCCGTCGGCCCTCGCCACCGCGGCTG
 CGTTATCAGACACCGACCTTTGTTCCGGCCCTCAGCGCCGAGGATGAGGAGCAGCAGCCCACTGAGAT
 CGAGTCACTGTGCATGAACTGTTACCGAACGGCACGACGCGACTTCTGCTCACTAAGATCCCCTCTTT
 AGAGAAATAATCGTGAGCTCCTTTCTGTGAGCACTGTGGTGGAAACAACCGAGATCCAGTCAGCAG
 GAAGGATCCAGGACCAAGGAGTGCCTACACCTTGACCGTTAAGGGCCAAGAGGACATGAACAGAGAAGT
 GGTGAAGACAGACTCAGCCACCACAAGGATCCCCGAGCTGGATTTTGAATTCCAGCTTTCAGCCAGAAG
 GGAGCTCTGACCACTGTGAAGGACTCATAAGCCGCGCAATCTTGGGCCTGGAACAGGACCAGCCGACAC
 GACGGCAATGGAAGGTCTATAGCCGAAAGAATTGATGATTCATTGGCAAACCTGAAGGACCTAAAGCA
 AATGGCTTCCCGTTACGCTGATCATTGATGATCCCTCGGAAACAGCTTTGTAGAAAACCCACACGCT
 CCTCAAAAAGATAGCGCCTTGGTATCACATACTACGACCGACCCACAGCAAGCTGAGATGCTGGGGC
 TCCAAGCAGAAGCACCAGAAGAGAAGTCGGAAGAGGAAGACCTTAGAAAACGAAGTCTCCAGTTCAACAC
 AAAGTCCAGAGTGCAACGCCCCCGCTCAGACCAACATGAAGCTTGCCAAATCCCCACTTTAAAGAG
 GTTATCATCATGGCCACCAACTGTGAGAGGTGTGGGCATCGGACTAATGAGGTGAAGTCTGGAGGAGCTG
 TAGAACCTTTGGGTACCAGGATTACCCTCCACATCACAGATCCCTCAGACATGACCAGAGACCTCCTCAA
 GTCTGAGACCTGTAGTGTAGAAATCCCAGAGCTCGAGTTTGAAGTGGGAATGGCTGTACTTGGGGCAAG
 TTCACCACTCTCGAAGGACTGCTGAAAGACATCCGAGAATTGGTAACCAAAAACCCATTCACGCTGGGGC
 ACAGCTCCAATCCTGACCAGTCAGAGAACTGCAGGAGTTTAGCCAGAAGTTGGGCCAGATCATCGAGGG
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 GAAGATGACCCGAGATGAAGGTAGAGCGGTACAAGCGCTCCTTTGACCAAAATGAGGAGCTCGGCCTCA
 ATGACATGAAGACAGAGGGCTATGAGGCAGACCTGGCCCCACAGCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215652 representing NM_001137646
 Red=Cloning site Green=Tags(s)

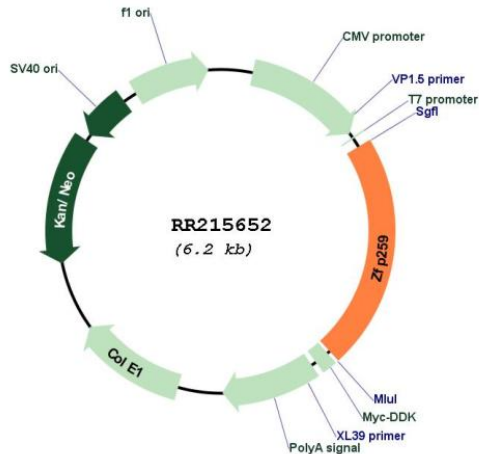
MSASGAVQPPGAAVGPSPATAAALSDTGPLFRPLSAEDEEQPTEIESLCMNCYRNGTTRLLLTKIPFF
 REIIVSSFSCHEHCWNTEIQSAGRIQDQGVRYTLTVKGQEDMNREVVKTDSATRIPELDFEIPAFSQK
 GALTTVEGLISRILGLEQDQPTRRAMEGAIERIDEFIGLKLKDLKQMASPFTLIIDDPGNSFVENPHA
 PQKDSALVITYYDRTPQQAEMGLQAEAPEEKSEEDLRNEVLQFNTNCPENAPAQTNMMLVQIPHKE
 VIIMATNCERCGRHTNEVKS GGAVEPLGTRITLHITDPSDMTRDLLKSETCSVEIPELEFELGMVLLGGK
 FTTLEGLLKDIRELVTKNPFLLGDSSNPQSEKLSQKLQIIEGKMKAHFIMNDPAGNSYLQNVYAP
 EDDPEMKVERYKRSFDQNEELGLNDMKTEGYEADLAPQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001137646

ORF Size: 1377 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_001137646.1](#), [NP_001131118.1](#)

RefSeq Size: 2896 bp

RefSeq ORF: 1380 bp

Locus ID: 500989

Cytogenetics: 8q22

MW: 50.9 kDa