

Product datasheet for **RN203531**

Zgpat (NM_001009656) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zgpat (NM_001009656) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Zgpat
Synonyms:	RGD1310801
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN203531 representing NM_001009656
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGAGGACAACCTAGAGACTGCCCTGCAGACCTACCGGGCCAGCTTCAGCAAGTAGAGCTGGCGC
 TCGGTGCTGGCCTAGACGCTTCTGAGCAGGCGGACCTGCCAGCTGCAGGGCGATCTAAAAGAATTGAT
 CGAGCTACCGAGGCCAGCCTGTTGTCGGTCAGGAAGAGCAAGCTGCTATCTACAGTGGACCAGGAGCAC
 CAAGAAGATGCTGAGTACTTGGCTTTCCAGAAGGCTATAGCGGAGGAAGCACCCGTTGACCCCGGAATG
 ACTCGAAGACGGTCCCTGGGAGCGAGGTGCAGCCGACCCACCTCTGCACTGGAGGAAGAGGAAGA
 GGACCCAGATCTGGAGGATCTGAGCGGTGCTAAAGTGAATGCCCCCTACTACAGCGCGTGGGGCACGCTA
 GAGTATCACACGCCATGGTTGTTGGCGCCGAAGAGGCGGAGGATGGTTCTGCGTGCCTCGGGTACTCT
 ACCTATACCTACCCACAAGTCCCTGAAGCCCTGCCCGTCTTCTCGAGGGAAAGTGCCGTTCAAGGA
 GAACTGCAGGTTTTCCCATGGCCAGTTGGTATCTGTGGATGAGCTGCGTCCCTTCCAGGATCCAGACTTA
 AGCTTACTACAGACTGGCTCTGCATGTCTGGCCAAGCACCAGGATGGCCTTTGGCACCCAGCACGGATCA
 CTGATGTGGACAATGGCTACTATACTGTTAAGTTTGACTCGTTGCTGCTGAAAGAGGCTGTGGTGGAGGG
 GGACAGCATCCTGCCTCCTACGCACTGAGGCTACAGATTATCTGACTCAGACACTGGTATGCAAGT
 GACTCCAGCTATGCCAGAGTGGTGAAGCAAACACAGTGGACACTGGGACCTGCAGTTCTGCCTTTGCTG
 GCTGGGAGGTACACACACGGGGCATTGGCTCCAACTCCTCGTCAAGATGGGCTATGAGTTTGGCAAGGG
 TTTGGGCCGGCATGCAGAAGGCCGGTGGAGCCCATCCATGCTGTAGTGTGCTAGAGGGAAATCACTG
 GACCACTGCGCAGAGATACTGCAGAAGAAGCAAAGCAAGGCCAGACTGGTCCAGCAGGCTCCAAGT
 GTCCGAGGAGGAGTAGTACACTGAGGGCCGCCACCCCTCGGAATGTGTTTGAATTTGAAATGAAAA
 ACTGCAAAGCCAGGTTCTGGGACCCAGATGCTGGAGTGGATACCCAGAGAGAAGGAACAAGACATG
 TATCATGCCAGCAAGAGTGCCAAGCAGGCTTTGAGCCTGCAGCTCTTCCAGACTGAGGAGAAGATAGAGC
 GGACCCAGCGGGACATCCGGGGCATCCAGGAGGCCCTAACCCGCAACTGGCCGGCATGGTATGGCGAC
 AGCCCATCTGCAGGAGAAGCTGGAGGGAGCCAGCGGCAGCTGGGTGAGTGCCTGCTCAGGAGGCCGAC
 CTACAGAGGAAACAGCGGAAGGCAGACTCACAGGAAGATGACGGAGTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001009656

Insert Size: 1524 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<ol style="list-style-type: none">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:	<u>NM_001009656.1, NP_001009656.1</u>
RefSeq Size:	1930 bp
RefSeq ORF:	1524 bp
Locus ID:	296478
UniProt ID:	<u>Q5PPF5</u>
Cytogenetics:	3q43
Gene Summary:	Transcription repressor that specifically binds the 5'-GGAG[GA]A[GA]A-3' consensus sequence. Represses transcription by recruiting the chromatin multiprotein complex NuRD to target promoters. Negatively regulates expression of EGFR, a gene involved in cell proliferation, survival and migration. Its ability to repress genes of the EGFR pathway suggest it may act as a tumor suppressor (By similarity).[UniProtKB/Swiss-Prot Function]