

Product datasheet for **SC331191**

ZGPAT (NM_001195653) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZGPAT (NM_001195653) Human Untagged Clone
Tag: Tag Free
Symbol: ZGPAT
Synonyms: GPATC6; GPATCH6; KIAA1847; ZC3H9; ZC3HDC9; ZIP
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331191 representing NM_001195653.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGACGAGGAGAGCCTGGAGTCGGCCTTGACAGCTACCGTGCGCAGCTGCAGCAGGTGGAGCTGGCC
TTGGGCGCCGGCCTGGATTCTGTCTGAGCAGGCTGACCTGCGCCAGCTGCAGGGGGACCTGAAGGAGCTC
ATCGAGCTCACCGAGGCCAGCCTGGTGTCTGTCTGAGGAAGAGCAGCTTGTGGCCGCGCTGGACGAAGAG
CGCCCGGGCCGCCAGGAAGATGTGAGTACCAGGCTTCCGGGAGGCCATCACTGAGGCGGTGGAGGCA
CCAGCAGCGGCCCGTGGTCCGGATCAGAGACCGTTCTAAAGCAGAGGGCGGGCCAGAATCTGCGGCA
GGTGGGACAGGAGGAAGAGGGAGAGGACGAGGAAGAGCTGAGTGGGACAAAGGTGAGCGGCCCTAC
TACAGCTCCTGGGGCACTCTGGAGTATCACAAACGCCATGGTGGTGGGAACGGAAGAGGCGGAGGATGGC
TCGGCGGGTGTCCGTGTGCTTTACCTGTACCCCACTCACAAAGTCTCTGAAGCCGTGCCCGTTCTTCTG
GAGGAAAGTGGCGCTTTAAGGAGAAGTGCAGGTTCTCCCATGGGCAGGTGGTCTCTCTGGATGAGCTG
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GGCCTCTGGCAGCAGCAGCATCACCGATGTGGACAACGGCTACTACACAGTCAAGTTTGACTCGCTG
CTGCTGAGGGAGGCCGTGGTGGAGGGGACGGCATCCTGCCCCCACTGCGCACAGAGGCCACAGAGTCC
GACTCAGACAGCAGCGGTACGGGTGACTCCAGCTATGCCAGAGTGGTGGGTGAGATGCTGTGACTCT
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CGGAATGTGTTTACTTCTCAATGAAAAGCTGCAAGGTGAGGCTCCTGGGGCCCTAGAAGCCGGGGCG
GCCCCAGCGGGGAGGAGGAGCAAGGACATGTACCATGCCAGCAAGAGTGCAGAGCGGGCCCTGAGCCTG
CGGCTCTCCAGACTGAGGAGAAGATCGAGCGAACCCAGCGGGACATCAGGAGCATCCAGGAGGCTCTC
GCCCGCAACGCTGGCCGGCATAGCGTGGCGTCAAGCCAGCTGCAGGAGAAGCTGGCAGGAGCCAGCGC
CAGCTGGGGCAGCTCCGGGCTCAGGAAGCCGGCCTGCAGCAGGAGCAGAGGAAGGCAGACACCCACAAG
AAGATGACTGAGTTCTAG
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001195653
Insert Size: 1536 bp



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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_001195653.1</u>
RefSeq Size:	1949 bp
RefSeq ORF:	1536 bp
Locus ID:	84619
UniProt ID:	<u>Q8N5A5</u>
Cytogenetics:	20q13.33
MW:	55.5 kDa
Gene Summary:	<p>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. Able to suppress breast carcinogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR and uses an alternate in-frame splice site in the middle portion of the coding region, compared to variant 1. This results in a shorter protein (isoform c), compared to isoform a. Variants 3, 4 and 5 encode the same isoform (c).</p>