OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC118015

ZFP161 (ZBTB14) (NM_003409) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP161 (ZBTB14) (NM_003409) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFP161
Synonyms:	ZF5; ZFP-5; ZFP-161; ZFP161; ZNF478
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC118015 sequence for NM_003409 edited (data generated by NextGen Sequencing)

ATGGAGTTTTTCATCAGTATGTCTGAAACCATTAAATATAATGACGATGATCATAAAACT
CTGTTTCTGAAAACACTAAATGAACAACGCCTGGAAGGAGAATTTTGTGATATTGCTATT
GTGGTTGAGGATGTGAAATTCAGAGCACACAGATGTGTTCTTGCTGCCTGCAGCACCTAC
TTTAAAAAGCTTTTCAAGAAGCTTGAGGTTGATAGTTCTTCGGTCATAGAAATAGATTTT
CTTCGTTCTGATATATTTGAAGAGGTCCTGAACTACATGTACACAGCAAAGATTTCCGTG
AAAAAAGAAGATGTTAACTTAATGATGTCATCGGGTCAGATTCTTGGTATCCGATTTTTG
GATAAACTGTGTTCTCAGAAGCGTGATGTGTCCAGTCCCGATGAAAACAATGGTCAGTCC
AAAAGTAAGTATTGCCTTAAAATAAATCGCCCCATTGGAGATGCTGCTGACACCCAGGAT
GATGATGTAGAGGAAATCGGGGATCAGGATGACAGTCCTTCTGATGACACAGTAGAAGGC
ACACCCCCGAGTCAGGAGGACGGCAAGTCGCCCACCACAACGCTCAGGGTTCAGGAAGCG
ATCCTGAAAGAGCTGGGGAGTGAGGAAGTTCGGAAGGTCAATTGCTACGGCCAGGAAGTA
GAATCCATGGAGACCCCAGAATCAAAAGACTTGGGGTCCCAGACCCCTCAAGCCTTAACA
TTTAATGATGGGATGAGTGAAGTGAAAGATGAACAGACACCAGGCTGGACAACAGCCGCC
AGTGACATGAAGTTTGAGTATTTGCTTTATGGTCACCATCGGGAGCAGATTGCCTGCCAG
GCGTGTGGGAAGACGTTTTCTGATGAAGGCAGATTGAGGAAGCATGAGAAACTCCACACG
GCGGACAGGCCATTTGTTTGTGAAATGTGCACAAAAGGTTTCACCACACAGGCCCACCTG
AAAGAACACCTAAAAATCCACACAGGATATAAGCCCTATAGCTGTGAGGTGTGTGGAAAA
TCATTTATCCGTGCCCCAGACTTAAAGAAGCATGAGAGAGTTCACAGTAATGAAAGACCG
TTTGCGTGCCACATGTGTGACAAAGCCTTCAAACACAAGTCTCACCTCAAGGATCATGAA
AGAAGACACAGAGGGGAAAAGCCTTTTGTGTGTGGCTCCTGCACCAAGGCATTTGCCAAG
GCATCTGATCTGAAAAGGCACGAGAACAATATGCACAGTGAAAGGAAGCAGGTTACCCCC
AGTGCCATCCAGAGCGAGACAGAACAGTTGCAGGCGGCAGCGATGGCTGCGGAAGCAGAA
CAGCAGCTGGAGACGATAGCCTGTAGCTAG

Clone variation with respect to NM_003409.4
177 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003409 unedited
CAGCTTTTGTATACGACTCCTATAGGGCGGCCGCGAATTCGCACGAGGCCTCGTGCCGAA
TTCGGCACGAGGGGGAGGCGGCTGCAGCTGCTTATGATATGGGTCTGCAGGATGGAGTTC
TTCCGGTCTGGCGTGCTCCTGATCAGAGTTACTCTGATCTGAAGATTTTGGCGTTCAAGG
CATTAAGATAATAGCCTGAGTTGTTCATGGAGTTTTTCATCAGTATGTCTGAAACCATTA
AATATAATGACGATGATCATAAAACTCTGTTTCTGAAAACACTAAATGAACAACGCCTGG
AAGGAGAATTTTGTGATATTGCTATTGTGGTTGAGGATGTGAAATTCAGAGCACACAGAT
GTGTTCTTGCTGCCTGCAGCACCTACTTTAAAAAGCTTTTCAAGAAGCTTGAGGTTGATA
GTTCTTCGGTCATAGAAATAGATTTTCTTCGTTCTGATATATTTGAAGAGGTCCTGAACT
ACATGTACACAGCAAAGATTTCCGTGAAAAAAGAAGATGTTAACTTAATGATGTCATCGG
GTCAGATTCTTGGTATCCGATTTTTGGATAAACTGTGTTCTCAGAAGCGTGATGTGTCCA
GTCCCGATGAAAACAATGGTCAGTCCAAAAGTAAGTATTGCCTTAAAATAAATCGCCCCA
TTGGAGATGCTGCTGACACCCAGGATGATGATGTAGAGGAAATCGGNGATCAGGATGACA
GTCCTTCTGATGACACAGTAGAAGGCACACCCCCGAGTCAGGGAGGACGGCAGTCGCCCA
CCACAACGCTCAGGNTTCANGAAGCGATCCCTGAAGAGCTGGGGAGTGAGGAAGNNTCGA
AGGTCANTNGCTACNGNCAGNAAGTAGAATCCATGGNAGACCCAGNNATCAAAGACTTGG
GGGTCCAGNACCCNTCAGCCTTNACATTTATGATGGNATGAGTGAATTGAAAN

3' Read Nucleotide Sequence:

```
>OriGene 3' read for NM_003409 unedited
AGCTATGNACCGCGGCACGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTCACACTTA
AAAGATTTAAATTTATTAATTTAAGTAAGCATACTGCATCTCCTTTATGGATAAATCATG
TGCCCCACAGAGCCCCAAAGCTTGATGACATTCTGTAAAGTTACACAAATGTATCTGAAG
AAGTTATCTGTTCTTGTCCTAATTTTGATTCTAAATAAAAATCCAATTTCAAAATCAATT
AAGATTTTAATCTAGGAAATCTTGGGATTGTTACACATGTAAAAAACCTTATCTCTGAGA
GCCTTTTCTATTCTTCTTACCACAGGTCCACTCACAAATCGCAGCTGGTATGGACTGGTA
CTGCCCCAAATAAGAGGAACCTAAGAGCTTGGCTCCAAGACCCCCCACCATCCCGGTGGG
TTTGCTTGGCCTTTAGGATGTGTGACTACAGCTTTTGGGTAGGTACAGGGCAATCAAGAT
TGAGGAAGAACACTTCAGCAAAGCAACCATTATTTGTCCACAAAAACAGTGAAAAACAGT
GATATAAAATTAACAAACCAAATATAAATCTAACGCCATTCTGCATTTCCAGAACTTTTT
TTATATTTGTGCAGTGTTCTTGGTCAACCACTCACCAATTTTCTGCGTCTATCTGAAGTA
CTTTTAAAGTTATTAAAACTGCTCTTTTGACCATAAGTCACATAGAATTGTGATTAGGAA
ATCAATTTACTTATTACTCTGTGCAGGGCACTTGCTAGGGTGGTGAGTGTAAAGGAACTA
AAAATGGAAGTCTCTCACTTCTAAACTGGACACAGGAGTNCTCAAANTTAAATATTAAAA
AAAAAAAGGGGNAGAGGTGCTTACTGGCACATTATACTAAACACCNACAAGAAGTGAAAC
GGTTGGTCAAACTGAGGACAACATTTCTTGAAATCTTAAAATACTAACCAGCCTGCCTTA
ATCAGGATACAAGGCCTACC
```

Restriction Sites: NotI-NotI

ACCN: NM_003409

Insert Size: 2770 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:
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_003409.2, NP_003400.2

RefSeq Size: 2896 bp

RefSeq ORF: 1350 bp

Locus ID: 7541

UniProt ID: O43829

Cytogenetics: 18p11.31

Domains: BTB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: Transcriptional activator of the dopamine transporter (DAT), binding it's promoter at the consensus sequence 5'-CCTGCACAGTTCACGGA-3'. Binds to 5'-d(GCC)(n)-3' trinucleotide repeats in promoter regions and acts as a repressor of the FMR1 gene. Transcriptional repressor of MYC and thymidine kinase promoters.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3 and 4 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.