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Product datasheet for SC126250

OTP (NM_032109) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OTP (NM_032109) Human Untagged Clone
Tag:	Tag Free
Symbol:	OTP
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_032109 edited
CCCCCTTTTTAACCACAAACCGAATTTTCTTTCATTTAGGTGATCTATATATATCTATAT
CGTATAGCTTATAGCTTATATCTATTTTAAATAACTTAAAGCCGCTAAAATTTGGGGGGG
AACAGCTTTCGCCCTGGAGCGGTGCGCGATGCTGTCTCATGCCGACCTCCTGGACGCCAG
GCTAGGTATGAAAGATGCCGCCGAGCTTCTGGGCCACCGGGAGGCGGTGAAGTGTAGGCT
GGGCGTGGGGGGCTCCGACCCCGGGGGCCATCCGGGGGACCTGGCGCCCAACTCTGACCC
AGTGGAGGGAGCCACTCTGCTGCCCGGGGAGGACATCACCACAGTGGGCTCTACTCCGGC
CTCGCTGGCGGTGAGCGCCAAAGACCCGGACAAGCAGCCCGGGCCCCAGGGCGGCCCGAA
CCCCAGCCAAGCCGGCCAGCAGCAGGGCCAACAGAAGCAGAAGCGCCACCGGACGCGCTT
CACCCCCGCACAGCTCAACGAGTTGGAGAGGAGCTTCGCCAAGACTCACTACCCCGACAT
CTTTATGCGTGAGGAGCTGGCACTGCGTATCGGGCTGACCGAGTCCCGAGTGCAGGTCTG
GTTCCAGAACCGACGCGCCAAGTGGAAGAAGCGCAAGAAGACGACCAACGTGTTCCGTGC
GCCCGGCACACTGCTGCCCACGCCAGGCCTGCCTCAGTTCCCGTCGGCTGCCGCCGCCGC
TGCCGCCGCCATGGGCGACAGCCTGTGCTCTTTCCACGCCAACGACACCCGCTGGGCGGC
GGCCGCCATGCCTGGCGTGTCACAGCTGCCTCTGCCGCCGGCGCTGGGCAGGCAGCAGGC
CATGGCGCAGTCGCTGTCCCAGTGCAGCCTGGCGGCCGGTCCGCCGCCCAACTCCATGGG
CCTGTCCAACAGCCTGGCGGGTTCCAACGGCGCGGGGCTGCAGTCGCACCTCTACCAGCC
CGCCTTCCCCGGCATGGTGCCCGCCTCCCTCCCCGGCCCCAGCAACGTCTCCGGTTCGCC
CCAGCTCTGCAGCTCCCCGGACAGCAGCGACGTGTGGCGGGGCACCAGCATCGCCTCCCT
CCGCCGCAAGGCGCTAGAGCACACAGTCTCTATGAGCTTCACTTAATGCAGCCGCGCCCC
GGCCCGCTCCGCCCCCAGCACCGCCCCGGGGGCCGCCCCGAGGCCCTTCCGGCGCGCACC
CGGACCCCGGCGCCCTGCCCCGTCCCGCCCCGGCCTTCGCCCCGTCTCGTTTCGTCCTCG
CCTCTCTCCTCCACTCGCTCGGGCTCACCCCAAGCCCCAGCCCGCGAGGCCTCCCCTCCG
CCTGATTTCGATCGCCCGCGGTCCCCCGTCTCCCGGCCGCCCCTCTTCCCTTCCCACCCA
GCTGCGCCCTCGGCTCGGTCTCCAGCGCCTCAGCCCACCCTTCCCGCCACCCTGGCCTCC
CTGCTGGCGCTGGCCGTGCTCGCGCCCTCCTCCTGGCCTTCTGACGGGCGGCGTTCCCAC
CCACACCTTCGACGCGACGCCTACGACCCCCCTCGCCCGCCGCCTCCCCTCCGGTCCCCT
CTTTCCCCACACTTCGCGACCCTCCTCCCGCGCCCGGCAAAAAGTATCCTTCCCGCCATT
TTACGTACCAGGGAGTCGACTCAGGATCTGAAATCAGACACCAATGGACTGGTTTGTGGG
CAGAAACACACACACTCGCACTCTCGCTCACGCTCAGACGCTACACACGCGCGCGCACAG
ACACGGTGCACCTAGGTCACACACGGACGTGTTCAAGGGACAGCACAATGTTAGGGATTT
TTGTCTTAAAGGAGGACAAGCATTGCTACCAACCGCCTCATCTGAGGGCCCAACTGATAT
GATTTGATTTATCCTTGTACTCTCCAAGCTCCTGTCTTTCTTTCCTCTCCCACCACGCTA
CCCTTGCCCAGTCCACCCAGTCACATCCGTGCAGCCCTCTCTTGGCTTGCAAGATAACGC
TTTTATTTTTATTTTATCTTATTTTCATTTTCTTAAGCACAACTGTGTGAGAGTGTAGAA
GGGAAGGCTTCTCAGGAGGAACGTGACAGTGGATTGGGTGGCTGGAGTAGACTAAAGCAG
TCATGTGACGAGGAAGAGGTGATCTGACCCATTTTGATAAGTCTTTATAAGGAAGAATAA
AATAAACGTGTAAGCAAAATTTTCTTTTGTAAAAGCAAAAGCCACATCTCTTTTCTGGAT
CCTTCAGGACTGGGGTTTGTTTGCTTCCTTTTCTGTTTCTGTCTTCTCGCTGCTCTGTGC
CCTTGGTTGTTTTGTGGTGGTCCTGTCGTCCCTCGTGCCCCTCGGCCACCTGCTGGCAGC
CGATGGGGGCACTCGGACATCTACAACCCTGCAACTTTGTACAGAGAAACACAATCAGCT
CTTTCTGCATGTGCTGGTCAAATCCAAACCCAGAGAACAGAAGCGCTTTCTAAGAATGAA
CAAATATGTGAAATAGGATGTTTTGTGTAGATAAAGCATTCTTGTTACATACTGGTCAAT
TTGTGATATGTTTTAACTTAATGTCTGTGTTTATTTATGGAATTCGGTTTTCTTAATAAA
TGTTTGAGCTAATATAAAGCATATTATTTGACTTTTCCGGACAAGTTTATATCAAGTTAA
ATGTAAATGGATAAAATAAAATCATTTTCAGTATGTGAAAAAAAAAAAAAAAAAAAAAAA
AA

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_032109 unedited
GCAGTTCATATTTGTATACGACTCATATAGGCGGCCGCGTAATTCGCACGAGGCCCCCTT
TTTAACCACAAACCGAATTTTCTTTCATTTAGGTGATCTATATATATCTATATCGTATAG
CTTATAGCTTATATCTATTTTAAATAACTTAAAGCCGCTAAAATTTGGGGGGGAACAGCT
TTCGCCCTGGAGCGGTGCGCGATGCTGTCTCATGCCGACCTCCTGGACGCCAGGCTAGGT
ATGAAAGATGCCGCCGAGCTTCTGGGCCACCGGGAGGCGGTGAAGTGTAGGCTGGGCGTG
GGGGGCTCCGACCCCGGGGGCCATCCGGGGGACCTGGCGCCCAACTCTGACCCAGTGGAG
GGAGCCACTCTGCTGCCCGGGGAGGACATCACCACAGTGGGCTCTACTCCGGCCTCGCTG
GCGGTGAGCGCCAAAGACCCGGACAAGCAGCCCGGGCCCCAGGGCGGCCCGAACCCCAGC
CAAGCCGGCCAGCAGCAGGGCCAACAGAAGCAGAAGCGCCACCGGACGCGCTTCACCCCC
GCACAGCTCAACGAGTTGGAGAGGAGCTTCGCCAAGACTCACTACCCCGACATCTTTATG
CGTGAGGAGCTGGCACTGCGTATCGGGCTGACCGAGTCCCGAGTGCAGGTCTGGTTCCAG
AACCGACGCGCCAAGTGGAAGAAGCGCAAGAAGACGACCAACGTGTTCCGTGCGCCCGGC
ACACTGCTGCCCACGCCAGGCCTGCCTCAGTTCCCGTCGGCTGCCGCCGCCGCTGCCGCC
GCCATGGGCGACAGCCTGTGCTTTTTCCACGCCCACGACACCCGCTGGGCGGCGGCCCGC
ATGCCTGGCGGGTACAACTGCCTCTGGCCGCGGCGCTGGGAGGCAACAGGCCTGGGGCAA
TCCTGGCCCATGCAT
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Restriction Sites: NotI-NotI

ACCN: NM_032109

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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

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_032109.2, NP_115485.1

RefSeq Size: 2702 bp

RefSeq ORF: 978 bp

Locus ID:	23440
UniProt ID:	Q5XKR4
Cytogenetics:	5q14.1
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a member of the homeodomain (HD) family. HD family proteins are helix-turn-helix transcription factors that play key roles in the specification of cell fates. This protein may function during brain development. [provided by RefSeq, Jul 2008]