

## Product datasheet for SC127710

### ZNF644 (NM\_201269) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF644 (NM_201269) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF644
Synonyms:	BM-005; MYP21; NatF; ZEP-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127710 sequence for NM_201269 edited (data generated by NextGen Sequencing)

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ATGAGATCGTTCTTGCAGCAAGATGTTAATAAGACAAAATCTAGACTAAATGTGTTAAAT
GGGCTTGCCAACAATATGGATGATTTGAAGATAAACACCGATATTACTGGTGCTAAAGAA
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GATTGTCAAACATCATTTTCAGAAAAATAACGTTGACTCTGCCTGAAGAAGTGTCAAAG
GACAAATCTGAAAACGCCTTAAGTGGAGGCCAGTCTAGTCTATTTATACATGCTGGTGCT
CCTACTGTTTCTAGTGAAAACCTTATCTTGCTAAAGGAGCTGCTGTTAATGGACCAGTT
TCACACTCCTCCTAACTAAGACTTCCAATATGAATAAAGGCAGTGTTCATTAACCACT
GGACAGCCTGTGGATCAGCCAACAACAGAATCTTGTTCAACTTTGAAGGTAGCAGCTGAT
CTTCAGCTGTCTACACCACAGAAAGCAAGTCAACACCAAGTTTTATTTTTGTTATCAGAT
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GGTTGTGACATTCAGAATTCAGTAGGGAGTAATATAAAGTCAGATGGCACTTTAATAAAAT
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CCTCATTCTAAAAATAGGTCTAGAAAAAAAAGAAAGCGAAAAATGGATGTAAGCAAGATA
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TGTGTGTTTGGTACCAATTGCCCTAAAACATTTGTGCAACATGCTAAAACCCATGAAAA  
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CATGTACAGGGGCATCTTACAGAGCAGGATTAAGCTATGAAGCCGTCATGTTGTATCA  
CCAGAACAATAGCCACAAGTGACAAAATGCAGCATTTCAAAAGAAGTGGCACAGGAACA  
CCTGTTAAACGAGTTAGAAAAGCTATAGAGAAGTCTGAAACCACTTCTGAACACACTTGT  
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CTCCGATGCAGGTTTTGTGGCCTAGTCTTTCGAGGACCCTTGTCTGTTTCAAGGAAGACTGG  
ATTAAGCACTTACAACGACATATTGTAACGCTAATCTTCCACGGACTGGAGCTGGCATG  
GTGGAAGTCACGTCACACTTAAAAAGCCTGCCTCCATTACAGAACTTCATTTTCTCTA  
CTAATGGCCGAAGCAGCTTCATAG

Clone variation with respect to NM\_201269.2

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_201269 unedited  
 GTAATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGCTCGGTTGTGGCCAGAA  
 ACGCTGGCTCTGGCATTAACTGTCTACACCCCTCCCCTTACTTGGGACAGGACCGCATAG  
 CCCTCCCTCCCCCGTCTGCAAGATCTATGCGGCTAGGTGCCTGGGAAGTAACAGCA  
 AGAGGTTTGATTTAATTTTGGATGAGATCGTCTTGCAGCAAGATGTTAATAAGACAAAA  
 TCTAGACTAAATGTGTTAAATGGGCTTGCCAACAATATGGATGATTTGAAGATAAACACC  
 GATATTACTGGTGCTAAAGAAGAACTCCTAGATGACAACAATTTTATCTCAGACAAGAG  
 AGCGGAGTTCATAAGCCAAAAGATTGTCAAACATCATTTTCAGAAAAATAATACGTTGACT  
 CTGCCTGAAGAACTGTCAAAGGACAAATCTGAAAACGCCTTAAGTGGAGGCCAGTCTAGT  
 CTATTTATACATGCTGGTCTCCTACTGTTTCTAGTGAAAACTTTATCTTGCCTAAAGGA  
 GCTGCTGTTAATGGACCAGTTTCACACTCCTCCTAACTAAGACTTCCAATATGAATAAA  
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 ACTTTGAAGGTAGCAGCTGATCTCAGCTGTCTACACCACAGATAGCAAGTCAACACCAA  
 GTTNTATTTTTGTATCAGATGTAGCACATGCTAAGAATCCCACCCATTCCAATANAAAA  
 CTACCTACCTCTGCTTCAGNTGGTTGTGACATTCAGAATTCAGTAGGGAGTAAATAAAG  
 TCAGATGGCACTTNTATAATCAAGTAGAGGNTGGTGAGGATGGTGAAGATTTATTGGTGA  
 AANGATGATGNGC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_201269 unedited  
 CTTGTACGCGCCGCATCTATAGTCGGTTTTTTTTTTTTTTTTTTTTTAAATTTCTTTAAAC  
 CTTTTTTATTTAGAGATTTTTCTGGTAAGGAGATATACCATAGGAAAGCAATTTCACTG  
 GCAGTGAGGTATGTATATACTCTACAAAATACTCCTTATTTAACTGTTTTAACTTTA  
 TTTACATACGAAGCAAAGAATCAATGCATATCCTTGGTTCAACTATAGTATTAGCCATAC  
 TACATGAAATAAAATGGTGCTTGCATACAAAACCTTGTGTTTGTAAAGGAATCTGATTT  
 CAGATTAATAACCTAATTGTTTTTGGAAAAATTTTTAAAAAGAATCACAATTTATCAT  
 GACCAAGACACCTGCACCATATTTCCATTCTCACAGCACATTTATTTTCAGTAATCTG  
 TTATGTCGGTTCTTAGCATGAGCATAGTGTACACGATTTTCGTACATATAATCACATCC  
 AAAACAAGTTCTAAAATTTAAATTGTAACATTCTCATATGTAGAAATATTTAATTGGA  
 GTATTAAGTTTTGCTAACTGATCAAATTTGGAAGATAATAAATGAGAACGTCTATTCT  
 AAAGTGTAGAGAGCATTGTTTATTAATTACATTTCTACAATGCTAAATAAAGTAAAGAG  
 GCAAACCTGTCCTGTAAGCATGTCAAATTTTAGGTAACATTAAAAAGAAACANACCTG  
 CTAACAAAGAATGTCTTGGCATANAGAACATTAGATTTCTAAAATCTATTATGATACAAA  
 AATGTACAGGGTAAATAGCATCTTTGTTGACAAGTATGAGGTAGCATGTATGCACCACTT  
 ATGCTGAAAAATGCACCGGAGTAAAGATATTTCTTACCACAAAATTTCCAAACCATGTA  
 CATATTTCTTTAAATTACCTGGTTAACAATCTCCTCCCCTTTTAGTTAAAAAAAACGC  
 TCCATGTGACTTTAAAAAACCCGACCN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_201269

**Insert Size:**

5850 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\\_201269.1](#), [NP\\_958357.1](#)

**RefSeq Size:** 5648 bp

**RefSeq ORF:** 3984 bp

**Locus ID:** 84146

**UniProt ID:** [Q9H582](#)

**Cytogenetics:** 1p22.2

**Protein Families:** Transcription Factors

**Gene Summary:** The protein encoded by this gene is a zinc finger transcription factor that may play a role in eye development. Defects in this gene have been associated with high myopia. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).