

## Product datasheet for **SC328674**

### **ZNF641 (NM\_001172682) Human Untagged Clone**

#### Product data:

|                           |                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                        |
| Product Name:             | ZNF641 (NM_001172682) Human Untagged Clone                                                 |
| Tag:                      | Tag Free                                                                                   |
| Symbol:                   | ZNF641                                                                                     |
| Mammalian Cell Selection: | Neomycin                                                                                   |
| Vector:                   | pCMV6-Entry (PS100001)                                                                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                       |
| Fully Sequenced ORF:      | >SC328674 representing NM_001172682.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
ATGCTTTTCAGAACAGACAGCAGCGCTGGGGACAGGATGGGAATCAATGAATGTACAGCTGGATGGAGCA  
GAGCCCCAGGTGGAAAGGGGAAGCCAGGAAGAGCGGCCATGGAGAACAGTACCAGGACCTCTGGAGCAC  
CTGTGCTGTGACCTTGAAGAGGAGCCACAGTCCCTTCAGGAGAAGGCTCAGTCTGCTCCCTGGGTTCCCT  
GCAATTTCCCAGGAGGGGAACACTGGAGACTGGGAGATGGCAGCTGCACCTTCTGCGGCTGGATCACAG  
GTGAGCTCTGCTTCCCTTGGCGTCTCCTGTGGTCCCACACTGCTGCCTTTGTATTGCTTTTCGCATCAG  
CCCATTGATGAGTTGGCTCACATGATCATCAATGGATTCCAATTTCCAACTGGACATGCTTTCTCAA  
CTAGAAGGAGGAGAAGAACAATGGGTCCCTGACCCCGAGGACTTAGAGGAGAGGGACATTCTGAGGGTC  
ACATATACAGGAGATGGAAGTGAACATGAGGGGGATACCCCTGAACTAGAAGCAGAACCTCCCAGAATG  
TTATCCAGCGTGTCTGAAGATACTGTTCTCTGGAACCCGGAGCATGATGAGAGCTGGGATTCCATGCCC  
AGCAGCTCCAGAGGAATGCTCCTGGGGCCCCCTTTTCTTCAGGAAGATAGTTTCTCAAACCTGCTGTGT  
AGCACAGAGATGGATTCCCTGTTAAGACCCACACATGCCCCAGTGTGGGAAACAGTTTGTATGGGGT  
TCCCACCTTGCCAGGCATCAACAAACACACACTGGGGAGAGACCTACAGCTGCCTCAAGTGTGAGAAG  
ACCTTTGGGCGAAGACATCACCTCATCAGGCACCAGAAAACCCACCTACATGACAAGACCAGCAGGTGC  
TCTGAGTGTGGTAAGAATTTCCGATGCAACTCCCCTCTGGCCAGCCACCAGAGAGTGCATGCAGAAGGC  
AAATCCTGCAAAGGCCAAGAGGTTGGAGAGAGCCCTGGCACAAGGAAACGGCAGCGTGCCCCACCACTG  
CCAAAGTGTCACGTGTGCACTGAATGTGGGAAGAGCTTTGGCCGAAGGCACCACCTTGTGAGACACTGG  
CTGACCCACACTGGGGAGAAGCCCTTCCAGTGCCCTCGCTGTGAGAAGAGCTTTGGCCGAAAACATCAC  
CTGGACAGGCACCTGCTCACCCACCAGGGACAAAGTCCCCGGAACAGCTGGGACAGAGGAACATCTGTC  
TTTGA  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI



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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACCN:</b>                  | NM_001172682                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Insert Size:</b>           | 1248 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>OTI Disclaimer:</b>        | 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).                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                               |
| <b>RefSeq:</b>                | <u><a href="#">NM_001172682.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>           | 4277 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq ORF:</b>            | 1248 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Locus ID:</b>              | 121274                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>UniProt ID:</b>            | <u><a href="#">Q96N77</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cytogenetics:</b>          | 12q13.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Families:</b>      | Transcription Factors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MW:</b>                    | 46.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Summary:</b>          | <p>Transcriptional activator. Activates transcriptional activities of SRE and AP-1.<br/>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) represents use of an alternate transcription start site and 5' UTR, uses a downstream start codon, and lacks an alternate in-frame exon in the central coding region, compared to variant 1. The resulting isoform (3) has a shorter N-terminus and lacks an internal segment, compared to isoform 1. 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.</p> |