

## Product datasheet for **SC302767**

### ZNF704 (NM\_001033723) Human Untagged Clone

#### Product data:

|                           |                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                        |
| Product Name:             | ZNF704 (NM_001033723) Human Untagged Clone                                                 |
| Tag:                      | Tag Free                                                                                   |
| Symbol:                   | ZNF704                                                                                     |
| Synonyms:                 | Gig1                                                                                       |
| Mammalian Cell Selection: | Neomycin                                                                                   |
| Vector:                   | pCMV6-Entry (PS100001)                                                                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                       |
| Fully Sequenced ORF:      | >SC302767 representing NM_001033723.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGACCTTCACATTTAGTCAGAGGACTTAAACGTGACTGTGGTAAAAAATGTCTCATCAACACGTG  
 TTTTCCTTGCCATGGAGGAAGATGTGAAACAGCAGACACCAAAAAGCCAGCCGGATCCTTGACCAT  
 GAAAAAGAAAACACTCGCTCCATCTGTCTCCTTGAGCAAAAAGAAAAGTTGTTTCCTCCAACATTGAT  
 GTTCTCCAGCAAGGAAATCTTCAGAGGAAGTACATGACAGGAGGACAGCAGCAATGGTACTAACC  
 AGCTTGTGCTGACTAGCCCTTTGGTTCGAAGTCCTCCGTCGCGCCGAACGAGAGCCTCAGCGGATCCTGG  
 AAGGAGGGCGGCTGCGTGCCTTCCAGCACCAGCAGCAGCGGCTACTGGAGCTGGAGCGCCCCAGCGAC  
 CAGTCCAACCCGTCCACGCCGTGCGCGCCGCTCTCGGCTGACAGCTTCAAGCCCTTCCGCAGCCCCGCG  
 CAGCCAGACGACGGCATCGACGAGGCGGAGGCCAGCAACCTGCTCTTCGACGAGCCCATCCAGGAAA  
 AGAAAGAATTCATGAAGGTGATGTTCAAATGCCTCTGAAAAAAGTGTGGGAAGGTGCTGAGCACTGCA  
 GCAGGTATCCAGAAACACATCCGAACCATCCATCTGGGGCGGTTGGAGACTCTGACTACAGTGATGGA  
 GAAGAGGACTTTTACTACACTGAGATCAAGCTCAACACAGACTCAGTGGCAGACGGGCTGAGCAGCCTG  
 GCCCGGTCTCACCTTCCAGTCCCTGGCTTCACTCTACTTTCCCCATCCAGATTCAAGCCGAACA  
 GAAACTCCTTGTGCAAAACGGAGACTAAGTTGATGACGCCGTTGAGCCGCTCAGCTCCCACCACCTC  
 TACCTCGTGCACACTGACCATGCTTACCAGGCCACACCCCTGTGACCATTCAGGATCGGCCAAGTTC  
 ACCCCCAATGGCAGCAGCTTCAGCATTTCTGGCAATCTCCTCCGTCACCTTCACAGGCATCCCAAGTG  
 TCACCCACACATCATCCGTTGGGCACAGGAGAGCAGAGACAGCATGCGCACACGCTCCTGTCTCCCA  
 CCCAGAGGCACAGTCAGCTTAAGGAAGCCAGGGGAGAGGGCAAAAAGTGTGGAAGGTGTACGGGATG  
 GAGAACCAGACATGTGGTGTACCGCTGCCGCTGGAAGAAGCCTGCCAGAGTTCTCTGACTGA  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI


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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACCN:</b>                  | NM_001033723                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Insert Size:</b>           | 1239 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>NM_001033723.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 14403 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq ORF:</b>            | 1239 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 619279                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q6ZNC4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 8q21.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MW:</b>                    | 45.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | Transcription factor which binds to RE2 sequence elements in the MYOD1 enhancer.<br>[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                     |