

## Product datasheet for **SC324289**

### ZNF597 (NM\_152457) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF597 (NM_152457) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF597
Synonyms:	HIT-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_152457.1  
 CTCCTGCGTAAAGGAGCATGAGAGCGTGGGAGTTTTGCAGTGGCCGTGGCGTTCTTCGTC  
 GCGTCTCGGTGGGCGTCGCTTTCTGCAGCTCCTGTGAGGGAGCGGAGGCTGTATTATA  
 ACCGCGGAGCGCTTTGTACGAAGTCCCTGTGGCGTCTTGAAGAAGGCATTCCCCACCCG  
 CCAAAATGGCGTCCATGCCCCGACGCCGAGGCCAGGGACCAATACTGTTTGAGGATCT  
 GGCTGTGATTTTTCTCAAGAGGAGTGGTACTCTGCACCCTGCCAGAGGTCCCTCAG  
 CAAAGATGGTACAAAAGAGTCTTTGGAGGATGCGGCTTTGATGGGAGAGGAAGGCAAGCC  
 TGAGATTAATCAGCAGTTAAGCCTAGAGTCTATGGAACCTTGACGAGCTTGCCTTAGAAAA  
 GTACCCATTGCTGCACCCTTGTCCCTTACCCAGAAAAATCCTCTGAGGATGGAGTTGG  
 AAACCCTGAAGCGAAAAATATTAAGTGGAACTCCCACTTACAAGAGAAGGGTCATCAGCCT  
 TTTAGTTACCATTGAAAACACACCCCATAGTAGAACTCTGAATATTTAGGAACCAA  
 CACACTTTCTGAAATTCTGATTCTCCCTGGGAAGGAGCCAAAAATGTGTACAAATGTCC  
 TGAGTGTGACCAAACTCAGCGATCATTACACTAGTTTTGCATCAGAAAAATTCATTC  
 AGGAGAGAAAAACATAAATGTGGTACTGTGAAAGATCTTCAATCATAGAGCCAACT  
 GAGGACACACAGGAGAATCCATACTGGTGAGAACTTATAAGTGTGCCAAGTGCAGTGC  
 CAGCTTTGCGCCAGCACTCTCATCTATCCCGACACATGAATAGCCACGTAAGGAGAAGCC  
 CTATACATGTAGCATATGTGGTAGAGTTTTATGTGGCTCCCAGGATTGGCACAGCATCA  
 GAAAAGCCACAGTGTGAAAACCTACGAATCTACTAACTGTGATAAACATTTTAAATGA  
 GAAACCAATCTTGCTTTGCCTGAGGAAACATTCGTATCAGGCCCCAGTACCAGCACAC  
 TAAGTGCATGAAGAGCTTCAGGCAGTCTTATATCCTGCCCTTTCCGAGAAGAGCCACGA  
 CGAGGACTCTGAACGCTGCAGCGATGATGGGACAATTTCTTCTCATTCTCAAAATTCAA  
 GCCCTTACAGTGTCTGACTGTGACATGACCTTTCCTTGTCTCTGAGCTTATTTCCCA  
 TCAGAACATTCATACAGAGGAAAGGCCCCATAAGTGCAAAACATGCGAGGAAAGTTTTGC  
 TTTGGACTCAGAACTTGCAATGCCACCAGAAGAGCCACATGCTAGCGGAACCTTTTAAATG  
 TACCGTGTGGGAAAACCTTCAAGTCAATTTGCATCTCATTACTCATAGCGAACTCA  
 CATAAAAAACACCACGTAAGTAAATATAACAAATGTTATTAGTGATTGGGCTTTTCAG  
 TATCTGTATGGTGGGAAGCAGTACTGTATATGTCAGGCAATGTGCTAAGCACTTTAC  
 ACACATTTCCATGTAATACTTAATTTCTCAGCACAACTTGATTTAGGCAGTATCATTTC  
 ATTTTATAAGTAGGGATGCAAAATCCGTGCTCACTAACTAGTGAATGAACCCAGGATTTG  
 AACTCAGTACTGTACAAGTGTGAGCCAGAAGAAGATACACAACCTTTGTTTAAATTCAA  
 TTTTCATTAATAAGGCTCTTGCTAAAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AA

**Restriction Sites:** Please inquire

**ACCN:** NM\_152457

**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).

**OTI Annotation:** 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.

**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\\_152457.1](#), [NP\\_689670.1](#)

**RefSeq Size:** 1838 bp

**RefSeq ORF:** 1275 bp

**Locus ID:** 146434

**UniProt ID:** [Q96LX8](#)

**Cytogenetics:** 16p13.3

**Domains:** KRAB, zf-C2H2

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes a protein with multiple zinc finger domains. Loss of the related gene in rodents results in defects in neural development and embryonic lethality in mutant homozygotes. This gene is adjacent to a differentially methylated region (DMR) and is imprinted and maternally expressed. [provided by RefSeq, Nov 2015]