

## Product datasheet for **SC101019**

### 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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152457, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTCCATGCCCCGACGCCGAGGCCAGGGACCAATACTGTTTGAGGATCTGGCTGTGATTTTT
CTCAAGAGGAGTGCGTGACTCTGCACCCTGCCAGAGGTCCTCAGCAAAGATGGTACAAAAGAGCTTT
GGAGGATGCGGCTTTGATGGGAGAGGAAGGCAAGCCTGAGATTAATCAGCAGTTAAGCCTAGAGTCTATG
GAACTTGACGAGCTTGCCTTAGAAAAGTACCCATTGCTGCACCCTTGTCCCTTACCCAGAAAAATCCT
CTGAGGATGGAGTTGGAAACCCTGAAGCGAAAAATTAAGTGGAAGTCCCACTTACAAGAGAAGGGTCAT
CAGCCTTTTAGTTACCATTGAAAACACACCCCATAGTAGAACTCTCTGAATATTTAGGAACCAACACA
CTTTCTGAAATCTTGATTCTCCCTGGGAAGGAGCCAAAAATGTGTACAAATGTCCTGAGTGTGACCAAA
ACTTCAGCGATCATTACCTAGTTTTGCATCAGAAAAATTCATTCAGGAGAGAAAAACATAAATGTGG
TGACTGTGGAAAGATCTCAATCATAGAGCCAACCTGAGGACACACAGGAGAATCCATACTGGTGAGAAA
CCTTATAAGTGTGCCAAGTGCAATGCGAGCTTTGCGCCAGCACTCTCATCTATCCCAGACATGAATAGCC
ACGTAAGGAGAAGCCCTATACATGTAGCATATGTGGTAGAGTTTTATGTGGCTCCCAGGATTGGCACA
GCATCAGAAAAGCCACAGTGCTGAAAACACCTACGAATCTACTAACTGTGATAAACATTTAATGAGAAA
CCAAATCTTGCTTTGCCCTGAGGAAACATTCGTATCAGGCCCCAGTACCAGCACACTAAGTGCATGAAGA
GCTTCAGGCAGTCTTATATCCTGCCCTTTCCGAGAAGAGCCACGACGAGGACTGAACGCTGCAGCGA
TGATGGGGACAATTTCTCTCATTCTCAAATTCAGCCCTTACAGTGTCTGACTGTGACATGACCTTT
CCTTGTCTCTGAGCTTATTTCCCATCAGAACATTCATACAGAGGAAAGGCCCCATAAAGTGCAAAACAT
GCGAGGAAAGTTTTGCTTTGGACTCAGAACTTGCCATGCCACCAGAAAGCCACATGCTAGCGGAACCTTT
TAAATGTACCGTGTGGGAAAACCTTCAAGTCGAATTTGCATCTCATTACTCATAAGCGAACTCACATA
AAAAACACCACGTAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_152457 unedited</p> <pre> NGGGTTCAAAATTTGTATACGACTCACTATAGGCGGCCGCGNATTCGGCACCCAGGNAGCA TGAGAGCGTGGGAGTTTTGCAGTGGCCGTGGCGTTCTTCGTCGCGTCTCGGTCCGGCGTC GCTTTCTGCAGCTCCTGTGAGGGAGCGCGAGGCCCTGTTATTAACCGCGGAGCGCTTTGTC ACGAAGTCCCTGTGGCGTCTTGAAGAAGGCATTCGCCACCCGCAAAATGGCGTCCATGCC CCCGACGCCCCGAGGCCAGGGACCAATACTGTTTGAGGATCTGGTGTGTATTTTTCTCA AGAGGAGTGCCTGACTCTGCACCCTGCCAGAGGTCCCTCAGCAAAGATGGTACAAAAGA GTCTTTGAGGATGCGGCTTTGATGGGAGAGGAAGGCAAGCCTGAGATTAATCAGCAGTT AAGCCTAGAGTCTATGGAACCTGACGAGCTTGCCTTAGAAAAAGTACCCATTGCTGCACC CCTTGCCCTTACCCAGAAAAATCCTCTGAGGATGGAGTTGAAAACCTGAAGCGAAAAAT ATTAAGTGGAACTCCCACTTACAAGAGAAGGGTCATCAGCCTTTTAGTTACCATTGAAAA CCACACCCATTAGTAGAACTCTCTGAATATTTAGGAACCAACACACTTTCTGAAATTCT TGATTCTCCCTGNGAAGGAGCCAAAAATGTGTACAAATGTCTGAGTGTGACCAAACTT CAGCGATCATTACCTAGTTTTGCATCAGAAAATTCATTCANGAGAGAAAAACATAAA TGTGGTACTGTGAAAGATCTCAATCTAGAGCCAACCTGAAGACACACAGGAGATCCA TACTGGTGAGAACTATNAGTGTGCCAAGTGCCAGTGCCAGCTTTCGCCAGCACTCTCAT CTATCCCGACACATGATAGCCC </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_152457 unedited</p> <pre> NNNNNNNTTTTNTTTTNTTGGGGTACATCTATGNNAACCGCGCCGAATCTAGGATCGA GTTTTTTTTTTTTTTTTTAAACATTAATAACCATACCATTTAATAATTTTTGCTCCAGT ATTTATCTATAATAGCAATATCTAAAGATCTATATATTATCAAGTATTTTGGGTTAAAAA TCTAACATTNNTCTATATGCATTTTTCTTTGGAGATGGAGAGGNAAAATGTATGGGTGGT TTTTTAAANAACCCAAAACCCAGTTAAGACCCTCAGTATTGTGCTCTTGCAAAGTGGGGA ATCCCTCCATCTGGTTAAAGGGGCAAGGAATTCACCCTGGAGTCTGGGAAGACCTCC TGCCGCTTTTAAACGGGTAATTGTAATCCAGCGCTTTGGCCCCCCCCAAAGGGAAGTAA AGGGGGTCCCGAAGCACACCCACCCAAAAAACCTCTTAAGGAGAACCCCCCTATTT AAACCCCTTTCTTGGGGGGCGCGGGGGTTACATGGGGGAAAAGCCACCAAAAAGCCC GCCTTTTTAAAAGGATGGGCCTTTGTGGCAAAAAAACCCCTTATTTGGTTTTTCCC CCCCCCCATTTTTGGTGTGGGGCAAGAAAAAATTTTTTCCCTCCGGGGTAAGATT TCTTTTTTTTTAAAAAATTTTTTTTTTTTTTCTTCCCGCGCGCGGAGAAAAAAT AACATATATTTTAGTGGGGGGCGCGCCCGGGGAGAAAAACCTTTTTTTTTTTTTT AAAGGGGGGGGGTCTCCCCCTTTTGGGGGGGACTTTTTAAAAAAGGGGTTTT TCCCCCCCCCCCCAAAGTGCAGCCCCCCCCAAAAAGAGGGGGGGTGTCTCCAC AACCC </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_152457
<b>Insert Size:</b>	3000 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>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).

**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]