

## Product datasheet for **SC101503**

### ZNF101 (NM\_033204) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF101 (NM_033204) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF101
Synonyms:	HZF12
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_033204, the custom clone sequence may differ by one or more nucleotides

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ATGGACTCAGTGGCCTTTGAGGATGTGGCTGTGAACTTCACCCAGGAGGAGTGGCCTTTGCTGAGTCCTT
CCCAGAAGAATCTCTACAGAGATGTGACGCTGGAAACCTTCAGGAACCTGGCCTCGGTCCGAATCCAATG
GAAAGACCAGGACATTGAGAATCTGTACCAAAACCTGGGGATTAAGCTAAGAAGTCTGGTGGAGAGACTC
TGTGGACGTAAGAAGGGAATGAACACAGAGAACTTTCAGCCAGATTCCTGATTGTACCTGAACAAGA
AAAGTCAAACCTGGAGTGAACCATGCAAATGCAGCGTGTGTGGGAAAGTCTTCTCCGTCATTTCATTCT
GGACAGGCACATGAGAGCTCATGCTGGACACAAACGATCTGAGTGTGGTGGGAAATGGAGAGAGACGCC
CGTAAACAGAAAACATGGGAAAGCCTCCATTTCCCCCAGTAGTGGTGCACGGCGCACAGTAACACCAA
CTCGAAAGAGACCTTATGAATGCAAGGTGTGCGGGAAAGCCTTTAATTCTCCCAATTTATTTCAAATCCA
TCAAAGAACTCACACTGGAAAGAGGTCCTATAAATGTAGGGAAATAGTGAGAGCCTTCACAGTTCCAGT
TTCTTTGAAAACATGGAAAAATGCATACTGGAGAAAAACGCTATGAATGTAAATACTGTGGAAAACCTA
TCGATTATCCAGTTTATTTCAAATTCATGTTAGAACTCACACTGGAGAAAAACCTTACAAATGTAACA
ATGTGGTAAAGCCTTCATTTCCGAGGTTACCTTCGGACACATGAAATCAGATCTCACCGCTGGAGAAA
TCCCACCAATGTCAGGAATGTGGGAAAAAACTCAGTTGTTCCAGTCCCTTCACAGACATGAAAGAACTC
ATAGTGGAGAAAACTCTACGAATGTCAAAAATGTGCCAAAGTCTTTAGATGTCCCACGTCCTTCAAGC
ACATGAAAGAGCTCACACTGGAGAAAGACCTTATGAATGTAATAAATGTGGTAAAACCTTCAATTATCCC
AGTTGTTTTGAAAGACATAAAAAAACTCATAGTGGAGAAAAGCCATATGAATGTACAAGGTGTGGTAAAG
CCTTTGGGTGGTGCAGTTCCTCCGAAGACATGAAATGACTCACACTGGAGAAAAACCTTTGATTGTAA
ACAGTGTGGTAAAGTCTTTACTTTTTCAAATTACCTTAGACTTCATGAAAGAACTCATTTGGCCGGGCGT
AGCCAGTGCTTTGGCAGGAGGCAGGGGATCACCTGAGCCAGGAGTTTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_033204 unedited GTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCCTCGTGCCGAATTCGG CACGAGGGTTTTAGTTCCCTCGGGGAGCCCTGGTGCCCGGATACGGCTGATTTTGTCTG GTGGGACTGTTCTGGCTGCTCCAGCCCCAGGAAGGACCCAGGACACCCGGAAGCCGGAA ATGGACTCAGTGGCCTTTGAGGATGTGGCTGTGAACTTCACCCAGGAGGAGTGGGCTTTG CTGAGTCCTTCCAGAGAAGTCTCTACAGAGATGTGACGCTGGAACCTTCAGGAACCTG GCCTCGTCCGGAATCCAATGGAAGACCCAGGACATTGAGAATCTGTACCAAAACCTGGGG ATTAAGCTAAGAAGTCTGGTGGAGAGACTCTGTGGACGTAAGAAGGGAATGAACACAGA GAAACTTTCAGCCAGATTCTGATTGTCACCTGAACAAGAAAAGTCAAACCTGGAGTGAAA CCATGCAAATGCAGCGTGTGTGGGAAAAGTCTTCCCTCCGTCATTCTTCTGGACAGGCAC ATGAGAGCTCATGCTGGACACAAACGATCTGAGTGTGGTGGGGAATGGAGAGAGACGCC CGTAAACAGAAACAACATGGGAAAGCCTCCATTTCCCCAGTAGTGGTGCACGGCGCACA GTAACACCAACTGAAAGAGACCTTATGAATGCNANGGTGTGCGGGNANAGCCTTTAAAT TCTCCAATTTATTTCAAATCCATCANAGAACTCCACTGGANAGAGGGGTCTATAATGTAG GNAANNTAGTGAAGCCTTACAGTTTTCCAGTTTCTTTGAAACATGGNANAATGCATA CTGGAGAAAACGCTATGAATGAATACTGGGGAAACCTATCGATAATCCAGNTATTTT ANATTCTGTTANAACCCACTGGAAGAAACCTTA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_033204
<b>Insert Size:</b>	2380 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).
<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>	<a href="#">NM_033204.2</a> , <a href="#">NP_149981.2</a>
<b>RefSeq Size:</b>	1458 bp
<b>RefSeq ORF:</b>	1311 bp
<b>Locus ID:</b>	94039
<b>UniProt ID:</b>	<a href="#">Q8IZC7</a>
<b>Cytogenetics:</b>	19p13.11
<b>Domains:</b>	KRAB, zf-C2H2
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

**Gene Summary:**

Zinc finger proteins (ZNFs), such as ZNF101, bind nucleic acids and perform many key functions, the most important of which is regulating transcription (summary by Bellefroid et al., 1993 [PubMed 8467795]). See ZNF91 (MIM 603971) for general information on ZNFs. [supplied by OMIM, Nov 2010]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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.