

Product datasheet for **SC118026**

ZNF43 (NM_003423) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF43 (NM_003423) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF43
Synonyms:	HTF6; KOX27; ZNF39L1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_003423, the custom clone sequence may differ by one or more nucleotides

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ATGGGACCATTGACATTTATGGATGTGGCCATAGAATTCTGTCTGGAGGAGTGGCAATGCCTGGACATTG
CACAGCAGAATTTATATAGGAATGTGATGTTAGAGAACTACAGAAACCTGGTCTTCTGGGTATTGCTGT
CTCTAAGCCAGACCTGATCACCTGTCTGGAGCAAGAAAAAGAGCCTTGGGAGCCTATGAGGAGACATGAA
ATGGTAGCCAAAACCCCGATTATGTGTTCTCATTTTACCCAAGACTTTTGCCAGAGCAGCATATAAAAG
ATCCTTTCCAAAAGCGACACTGAGAAGATATAAAAACTGTGAACATAAAAAATGTACATTTAAAAAAGA
CCATAAAAGTGTGGATGAGTGAAGGTGCACAGAGGAGTTATAATGGATTTAACCAATGTTTGCCAGCT
ACCCAGAGCAAAATATTTCTATTTGATAAATGTGTGAAAGCCTTTCATAAATTTTCAAATTCAAACAGAC
ATAAGATAAGCCATACTGAAAAAACTTTTCAAATGCAAAGAATGTGGCAAATCATTTTGCATGCTTCC
ACATCTAGCTCAACATAAAATAATTCATACCAGAGTGAATTTCTGCAAATGTGAAAAATGTGAAAAAGCT
TTAACTGCCCTTCAATCATCACTAAACATAAGAGAATTAATACTGGAGAGAAACCCTACACATGTGAAG
AATGTGGCAAAGCTTTAATTGGTCTCACGCCTTACTACACATAAAAAAATTACTAGATACAAACT
CTACAAATGTGAAGAATGTGGCAAAGCTTTTAAACAAGTCTCAATCCTTACTACCCATAAGATAATTCGC
ACTGGAGAGAAATTTACAAATGTAAGAATGTGCCAAAGCTTTTAAACCAATCCTCAAACCTTACTGAAC
ATAAGAAAATTCATCCTGGAGAGAAACCTTACAAATGTGAAGAATGTGGCAAAGCCTTAACTGGCCCTC
AACTCTTACTAAACATAAGAGAATTCATACTGGAGAGAAACCTACACATGTGAAGAATGTGGCAAAGCC
TTTAAACGATTCTCAAACCTTACTACACATAAGAGAATCCATACTGCAGAGAAATTCATAAATGTACAG
AATGTGGTGAAGCTTTTAGCCGGTCTCAAACCTTACTAAACATAAGAAAATTCATACTGAAAAGAAACC
CTACAAATGTGAAGAATGTGGCAAAGCTTTAAGTGGTCTCAAAGCTTACTGAACATAAGTTAACTCAT
ACTGGAGAGAAACCCTACAAATGTGAAGAATGTGGCAAAGCCTTAACTGGCCCTCAACCCTTACTAAAC
ATAACAGAATTCATACTGGAGAGAAACCCTACAAATGTGAAGTATGTGGCAAAGCCTTTAAACGATTCTC
AAACCTTACTACACATAAGAGAATTCATACTGCAGAAAAACCGTACAAATGTGAAGAATGTGGCAAAGCT
TTTAGCCGGTCTCAAACCTTACTAAACATAAGAAAATTCACATTGAAAAGAAACCCTACAAATGTGAAG
AATGTGGCAAAGCTTTAAGTGGTCTCAAAGCTTACTGAACATAAGATAACTCATACTGGAGAGAAACC
CTACAAATGTGAAGAATGTGGCAAAGCTTTAACCATTCTCAATCCTTACCAAACATAAGAGGATTCAT
ACTGGAGAGAAACCCTACAAGTGTGAAGAATGTGGCAAAGCTTTTACCCAATCCTCAAACCTTACTACAC
ATAAGAAAATTCATACTGGAGAGAAATTCACAAATGTGAAGAATGTGGCAAAGCTTTTACCCAATCTC
AAACCTTACTACACATAAAAAAATTCATACTGGAGGAAAACCCTACAAATGTGAAGAATGTGGCAAAGCT
TTTAAACGATTCTCAACTTACTAAACATAAGATAATTCACACTGAGGAGAAACCCTACAAATGTGAAG
AATGTGGCAAAGCCTTTAAGTGGTCTCAAACCTTACTAAACATAAGATAATTCATACTGGAGAGAAACC
CTACAAATGTGAAGAATGTGGCAAAGCTTTTAACTGTCTCAACCCTTCTACACATAAGATTATTCAT
ACTGGAGAGAAACCCTACAAATGTGAAAAATGTGGCAAAGCTTTTAAACCGATCCTCAAACCTTATTGAAC
ATAAGAAAATTCATACTGGAGAGCAACCCTACAAATGTGAAGAATGTGGCAAAGCATTAACTATTCTC
ACACCTTAATACACATAAGAGAATTCATACTAAAGAGCAACCCTACAAATGTAAGAATGTGGCAAAGCT
TTCAACCAATATTCAAACCTTACTACACATAACAAAATTCATACTGGAGAGAAACTTACAAACCTGAAG
ATGTGACAGTGATTTTGACAACACCTCAAACCTTTTCAAACATAAAATAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003423 unedited
 NGGGGTCAACATTTGTATACGACTCACTATAGGCGGCCGGAATTCGGCACGAGGCTTTG
 TCGCAGCTCCGTTACCTGTGATCTGCAAGTCTGGGAGACGCACAGCTAAGATGCCCC
 GACATCCTGGAAGCTGGGAAATGGGACCATTGACATTTATGGATGTGGCCATAGAATTCT
 GTCTGGAGAGTGGCAATGCCTGGACATTGCACAGCAGAATTTATATAGGAATGTGATGT
 TAGAGAACTACAGAAACCTGGTCTTCTCTGGGTATTGCTGTCTCTAAGCCAGACCTGATCA
 CCTGTCTGGAGCAAGAAAAAGAGCCTTGGGAGCCTATGAGGAGACATGAAATGGTAGCCA
 AACCCCCAGTTATGTGTTCTCATTTTACCCAAGACTTTTGGCCAGAGCAGCATATAAAAG
 ATCCTTTCCAAAAAGCGACACTGAGAAGATATAAAAACTGTGAACATAAAAAATGTACATT
 TAAAAAAGACCATAAAAGTGTGGATGAGTGTAAGGTGCACAGAGGAGGTTATAATGGAT
 TTAACCAATGTTTGCCAGCTACCCAGAGCAAAATATTTCTATTTGATAAATGTGTGAAAG
 CCTTTCATAAATTTCAAATTCAAACAGACATAAGATAAGCCATACTGAAAAAACTTT
 TCAAATGCAAAGAATGTGGCAAATCATTTTGCATGCTCCACATCTAGCTCAACATANAA
 TAATTCATACCAGAGTGAATTTCTGCAAATGTGAAAAATGTGGAAAAGCTTTTAACTGCC
 CTTCAATCATCACTAAACATAAGAGAATTAATACTGGAGAGAAACCCTACACATGTNGAA
 GATGTGGCAAAGTCTTTAATTGGTCTCACGCCTTACTACACANTAAAAAATATACTAG
 ATACAAACTCTACAATGTGAAGAATGTGG

Restriction Sites:

NotI-NotI

ACCN:

NM_003423

Insert Size:

4000 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_003423.2](#), [NP_003414.2](#)

RefSeq Size:

5258 bp

RefSeq ORF: 2430 bp

Locus ID: 7594

UniProt ID: [P17038](#)

Cytogenetics: 19p12

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: This gene belongs to the C2H2-type zinc finger gene family. The zinc finger proteins are involved in gene regulation and development, and are quite conserved throughout evolution. Like this gene product, a third of the zinc finger proteins containing C2H2 fingers also contain the KRAB domain, which has been found to be involved in protein-protein interactions.

[provided by RefSeq, Jul 2008]

Transcript Variant: This variant (4) differs in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) is longer and has a distinct N-terminus, 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.