

Product datasheet for **SC304793**

ZNF304 (NM_020657) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: ZNF304

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_020657, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCGCGGTGCTGATGGACCGGTTTCAGAGTTGTGTGACCTTCGAGGATGTGTTC
GTGTACTTCTCTCGGGAGGAGTGGGAACCTTTCAGGAGGCACAGAGATTCCTGTACCGT
GATGTGATGCTGGAGAACTTTGCACCTTGCGGTACACTAGGTTTTTGGTGTGAAGCAGAA
CATGAGGCACCTTCTGAGCAGAGCGTTTCTGTAGAAGGAGTGTACAGGTCAGGACTGCT
GAGTCAGGTCTTTTCCAGAAAGCACACCCATGTGAGATGTGTGACCACTCTTGAAAGAC
ATTTTGCACCTGGCTGAACACCAGGGATCACACCTTACACAGAACTGTGCACACGTGGG
CTGTGTAGGAGAAGATTCTCGTTTCAGTGCAAACTTTTACCAGCACCAGAAGCAACATAAT
GGAGAGAATTGCTTCAGAGGGGATGATGGAGGGGCCTCATTTGTGAAGAGCTGTACAGTC
CACATGTTAGGGAGATCCTTTACGTGCAGGGAGGAAGGGATGGACTTACCAGATAGCTCT
GGCCTTTTCCAGCACCAGACCACTTACAATAGGGTGAGTCCATGCAGAAGGACTGAATGC
ATGGAGTCTTTCCACACAGCTCCAGTCTCAGGCAACCAAGGAGACTATGATGGACAG
ATGCTTTTTCAGTTGCGGTGATGAAGGAAAAGCCTTCTGGACACCTTTACTCTTCTTGAC
AGCCAGATGACTCATGCTGAGGTGAGACCTTTCAGATGCCTACCATGTGAAATGTGTTC
AAGGAGAAATCAGCTCTTATTAATCACAGAAAAATCCACAGTGGAGAAATATCTCATGTG
TGTAAGGAGTGTGAAAAGCCTTCATTCACCTGCACCACCTAAAAATGCACCAGAAATTT
CACACTGGAAAAAGACACTATACATGCAGTGAATGTGGGAAGGCCTTCAGCCGCAAGGAC
ACACTTGTTTCAGCATCAGAGAGTTCACACTGGAGAAAGATCTTATGACTGCAGTGAATGT
GGAAAAGCCTACAGCAGAAGCTCCACCTTGTTTCAGCACCAGAGAAATTCACACAGGAGAA
AGGCCTTATAAGTGCAACAAATGTGGGAAAAGCCTTTCAGCCGTAAGACACACTTGTTTCAG
CACCAGAGATTTTCACTGAGAAAAGCCTTATGAGTGCAGTGAATGTGGAATTTCTTT
AGCCAAAGCTCCACCTTATTGAGCACTGGAGAATTCATACCGGGCAAGGCCCTATGAA
TGCATAGAATGTGGAATTTCTTTAGCCATAACTCTAGCCTCATTAAACATCGGAGAGTC
CACACAGGAGCAAGATCCTACGTGTGCAGCAATGTGGGAAGGCCTTTGGCTGCAAGAC
ACACTTGTTTCAGCACCAGATAATTACACTGGAGCAAGGCCTTATGAGTGCAGTGAATGT
GGGAAGGCCTTCAGCCGTAAGACACACTTGTCGAACACCAAAAAATCCACACTGGAGAA
AGGCCTTATGAGTGTGGTGAATGTGGTAAATCTTCAGCCATAGCTCCAACCTTATTGTA
CACCAGAGAATTCACACTGGAGCAAGCCTTATGAGTGCAATGAATGTGGGAATGCTTT
AGCCACAACCTCCAGCCTCATTTTGCACAGAGAGTTACACAGGAGCAAGGCCTTATGTG
TGCAGTGAATGTGGGAAGGCTTACATTAGTAGCTCCACCTTGTTCAACACAAGAAAGTT
CACACTGGAGCAAGACCTTATGAGTGCAGTGAATGTGGGAATTTCTTTAGCCGCAACTCT
GGCCTCATTCTGCACCAGAGGTTTCACACTGGAGAAAAGCCTTACGTATGCAGGAATGT
GGGAAAAGCCTATAGCAGAAGCTCCCATCTTGTTTCGTACCAGAAAAGCTCACACTGGAGAA
AGAGCTCACAGTGCAACAGTTTTTGGTGGCCCTTAGCTGCATCTCTTAACTGTGTTAA
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Restriction Sites:	Please inquire
ACCN:	NM_020657
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_020657.1</u> , <u>NP_065708.1</u>
RefSeq Size:	4317 bp
RefSeq ORF:	1980 bp
Locus ID:	57343
UniProt ID:	<u>Q9HCX3</u>
Cytogenetics:	19q13.43

Gene Summary:

This gene encodes a member of the Krueppel C2H2-type zinc-finger family of proteins. The encoded protein functions as a transcriptional repressor that recruits a corepressor complex to stimulate promoter hypermethylation and transcriptional silencing of target genes. Expression of this gene is upregulated in colorectal, ovarian and breast cancer, and this gene may promote cancer cell survival, growth and invasion. [provided by RefSeq, Jul 2016]

Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.