

Product datasheet for SC315126

ZNF658 (NM_033160) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF658 (NM_033160) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF658
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_033160, the custom clone sequence may differ by one or more nucleotides

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ATGAACATGTCTCAGGCATCAGTGTCTCATTCCAGGACGTGACTGTGGAATTCACCCGGGAG
GAGTGGCAGCACCTGGGCCCTGTGCGAGAGGACGCTGTACAGAGATGTGATGCTGGAGAAC
TACAGCCACCTCATCTCAGTGGGATATTGCATTACTAAACCCAAGGTGATCTCCAAGTTG
GAGAAAGGAGAAGAGCCATGGTCTTTAGAAGATGAATTCCTGAACCAGAGGTACCCAGGA
TATTTTAAAGTTGATCACATCAAAGGGATCCGGGAAAAACAAGAAAAACCTCTGTGGCAA
GAAATATTCATCAGTGTGCTGACAAAAATTGAGTAAAGAAGGACAGAAAGTTTTAGAA
AAACCATTTAATCTGAAATAGCTCCAGAGCTTTCAGAAAAAATATCCTGTAAATGTGAC
TCACACAGAATGAATTTGCCAGTTGCTTCTCAATTAATTAAGTGAAAGAAAAATTTCA
AGAAAGAAGACTGAATACATGAATGTGTGTGAGAACTGCAGCTTGATATTAAGCATGAG
AAAGCTCATGCTGAAGAGAAATCTTATGAACATGGTGAAAATGCTAAAGCTTTCAGTTAT
AAGAAAGATCAGCATTGGAAATTTCAAACCTTTGGAGGAATCTTTTGAATGTGATGGATCT
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AAGTCTGTAAAGGATGATGAATTTAGAAAAAATTTGATAAAAATCACTTTATTTAACCAC
ATGAGAAGTACACAAGGGGAAATGCTCTGATCTTAATGAATATGGGACATCCTGTGAC
AAAACCACCGCTGTTGAATACAATAAAGTTCACATGGCTATGACACACTATGAGTGAAT
GAAAGGGGGATTAATTTAGTAGGAAGTACCCCTCACTCAATCTCAGAGAACTATTACA
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ATAGTACATCAGAAAACACAAGCTGGAGATAAATTTGGTGAACATAATGAATGTACAGAT
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CAGCATCAGAGGCCCACTCAGGAGAGAAAACTTACCAATATGAGGAATGTGCAAAATCC
TTTTGTCAAGTTCACATCCTATTGAGCATCCTGGAACCTATGTGGGATTCAAACCTTAT
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ATTCACACAAAAGAGAAACCTTTGTGATAACAATGGCTGTGGGAGATCTTACAAGTCAACC
CTCATAGGACACCAGAAAACAGATGCAGAGATGGAACCTGTGGTGGCAGTGAATATGGG
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ACAGGTGAAAAACCTATGAATGTGTTGAATGTGAGAAAACTTTCTCTCACAAAGACACAC
CTCAGTGTACATCAGAGAGTTTACACAGGGGAGAAACCTATGAATGTAATGACTGTGGG
AAATCTTTTACCTATAACTCAGCCCTGAGAGCACATCAAAGAATTCACACAGGTGAGAAG
CCCTATGAATGCAGTGTGAGAAAACTTTTGCCCATAAATCAGCCCTCAGAGCACAT

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CATAGAATTCACACGGGGGAGAAACCTTATGAATGTAATGAATGTGGAAGTCTTTTGCC
 CATATTTCTGTTCTCAAGGCACATCAAAGAATTCACACAGGGGAGAAACCTATGAATGT
 AATGAATGTGGGAGATCTTTACCTACAATTCAGCCCTGAGAGCACATCAGAGAATTCAC
 ACAGGTAGAAAACCTATGAATGTAGTGACTGTGAGAAAACCTTTTGCCATAATTCAGCC
 CTCAAAATACATCAGAGAATTCACACGGGGGAGAAACCTATGAATGTAATGAATGTGAG
 AAAACATTTGCCATAATTCAGCCCTTAGAGCACATCAGAATATCCACACAGGGGAGAAA
 CTCTATGAATGTAGTGAATGTGGAAAAACTTTTTCCAGAAGACACGCCTCAGTACACAT
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 CAGAAATCATACCTCAGTGGACATGAGAGAATTCACACAGGGGAAAAACCGTATGAATGT
 AACGTATGTGGAAAACTTTGTCTATAAGGCAGCCCTCATAGTGCATCAAAGAATTCAC
 ACAGGGGAGAAACCTATGAATGTAACCAATGTGGAAAACTTTCTCCAAAGAACACAC
 CTCTGTGCACATCAGAGAATTCATACTGGGAAAAACCTATGAGTGAATGAATGTGGG
 AAAACGTTTGCTGATAATTCAGCCCTCAGGGCACATCACAGAATTCACACAGGGGAGAAA
 CCCTATGAATGTAATGACTGTGGGAAGACTTTTCCAAGACATCATCTCAGAGCACAT
 CTTAGAATCGCTCAGGGGAGAAACCTATGAATGCAGTGAATGTGGAAAACTTCTCT
 GAGAAGTCATATGTTAGTGCACATCAGAGAGTTCATACGGGGGAGAAACCTACGAATGT
 AATGTATGTGGGAAGCCATTTGCCATAATTCACCCTCAGAGTACATCAAAGAATTCAC
 ACAGGGGAGAAATCCTATGAATGTAATGATTGTGGAAAAACGTTCTCCAGAAATCACAC
 CTTAGTGCACACCAGAGAATTCACACAGGGGAGAAACCTATGAGTGAATGAATGCGGA
 AAAGCTTTTGCCAAAATTCACCTCAGAGTACACCAGAGAATTCACACAGGGGAGAAA
 CCCTATGAATGTGATGAATGTGGAAAACTTTGTCCGTAAGGCAGCTCTTAGGGTACAT
 CACACCAGAATGCATACCAGAGAGAAAAACCTAGCATGTAATGGATTTGGGAAGTCC

- Restriction Sites:** Please inquire
- ACCN:** NM_033160
- 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_033160.4](#), [NP_149350.3](#)
- RefSeq Size:** 3982 bp
- RefSeq ORF:** 3180 bp
- Locus ID:** 26149

UniProt ID: [Q5TYW1](#)

Cytogenetics: 9q21.11

Domains: zf-C2H2

Protein Families: Transcription Factors

Gene Summary: Mediates transcriptional repression in response to zinc. Represses several genes, including SLC30A5, SLC30A10 and CBWD1, by binding to the zinc transcriptional regulatory element (ZTRE) (5'-C[AC]C[TAG]CC[TC]-N(0-50)-[GA]G[ATC]G[TG]G-3') found in the promoter region. May play a role in the control of ribosome biogenesis, regulating predominantly rRNA levels, as well as those of several ribosomal proteins, thus coordinating this highly zinc-demanding process with the available zinc supply.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.