

Product datasheet for **SC329142**

ZFX (NM_001178085) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | ZFX (NM_001178085) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ZFX |
| Synonyms: | ZNF926 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001178085, the custom clone sequence may differ by one or more nucleotides

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ATGGATGAAGATGGGCTTGAATTACAACAAGAGCCAAACTCATTTTTTGTGCAACAGGA
GCTGATGGTACACACATGGATGGTGATCAAATTGTTGTGGAAGTACAAGAACTGTTTTT
GTTTCAGATGTTGTGGATTGAGACATAACTGTGCATAACTTTGTTCTGATGACCCAGAT
TCAGTTGTAATCCAAGATGTTATTGAGGACGTTGTTATAGAAGATGTTTCAGTGCCAGAT
ATCATGGAAGAAGCAGATGTGTCTGAAACGGTCATCATTCTGAGCAAGTGTGGACTCA
GATGTAACCTGAAGAAGTTTCTTTAGCACATTGCACAGTCCAGATGATGTTTTAGCTTCT
GACATTACTTCAGCCTCAATGTCTATGCCAGAACACGTCTTGACGGGTGATTCTATACAT
GTGTCTGACGTTGGACATGTTGGACATGTTGGACATGTTGAACATGTGGTTCATGATAGT
GTAGTGGAAAGCAGAAATTGCTACTGATCCTCTGACTACCGACGTAGTTTCAGAAGAAGTA
TTGGTAGCAGACTGTGCCTCTGAAGCAGTCATAGATGCCAATGGGATCCCTGTGGACCAG
CAGGATGATGACAAAGGCAACTGTGAGGACTACCTTATGATTTCTTGGATGATGCTGGC
AAAATAGAACACGATGGTCTTCTGGAATGACCATGGACACAGAGTCGGAATTGATCCT
TGTAAGTGGATGGCACTTGCCCTGAGGTCATCAAGGTGTACATTTTTAAAGCTGACCCT
GGAGAAGATGACTTAGGTGGAACGTAGACATTGTGGAGAGTGAGCCTGAGAATGATCAT
GGAGTTGAACTGCTTGATCAGAACAGCAGTATTCGTGTTCCCAGGGAAAAGATGGTTTAT
ATGACTGTCAATGACTCTCAGCCAGAAGATGAAGATTTAAATGTTGCTGAAATCGCTGAC
GAAGTTTATATGGAAGTGATCGTAGGAGAGGAGGATGCTGCAGCAGCAGCGGCAGCCGCC
GCCGTGCACGAGCAGCAAATGGATGACAATGAAATCAAACCTTCATGCCGATTGCATGG
GCAGCAGCTTATGGTAATAATTTGATGGAATTGAAAACCGGAATGGCACTGCAAGTGCC
CTCTTGACATAGATGAGTCTGCTGGCCTCGGCAGACTGGCTAAACAAAAACCAAGAAA
AGGAAAGACCTGATTCAGGCAGTACCAACACGCAATAATTATGGCCCTGATGGACAT
CCTTTGACTGTCTATCCTTGATGATTTGTGGGAAGAAGTTTAAGTCGAGAGGTTTTTTG
AAAAGGCACATGAAAACCATCCCGAACCTTGCCAAGAAGAAATACCGCTGACTGAC
TGTGATTACACTACCAACAAGAAGATAAGTTTACACAACCACCTGGAGAGCCACAAGCTG
ACCAGCAAGGCAGAGAAGGCCATTGAATGCGATGAGTGTGGGAAGCATTCTCTCATGCA
GGGGCTTTGTTTACTCACAAAATGGTGCATAAGGAAAAAGGAGCCAAACAAAATGCACAAG
TGTAATTTCTGTGAATACGAGACAGCTGAACAAGGTTATTGAATCGCCACCTCTTGCCA
GTCCACAGCAAGAACTTTCTCATATTTGTGTGGAGTGTGGAAGGTTTTTCGTACCCCG
TCAGAGCTCAAAAAGCACATGAGATCCATACTGGGAGAGCCGTACCAATGCCAGTAC
TGCGAATATAGGTCTGCAGACTCTTCTAACTTGAAAACGCATGTCAAACTAAGCATAGT
AAAGAGATGCCATTCAAGTGTGACATTTGTCTTCTGACTTTCTCGGATACCAAAGAGGTG
CAGCAACATGCTCTTATCCACCAAGAAAGCAAAACACACCAAGTGTGTTGATTGCGACCAC
AAGAGTTCGAACTCAAGTGATTTGAAACGACACATAATTTGAGTTCACACGAAAGACTAC
CCCCATAAGTGTGACATGTGTGATAAAGGCTTTTACAGGCCTTCAGAACTCAAGAAACAC
GTGGCTGCCACAAAGGGCAAAAAATGCACCAAGTGTAGACATTGTGACTTTAAGATTGCA
GATCCATTTGTTCTAAGTCGCCATATTTCTCAGTTCACACAAAGGATCTTCCATTTAGG
TGCAAGAGATGTAGAAAGGGATTTAGGCAACAGAGTGAGCTTAAAAAGCATATGAAGACA
CACAGTGGCAGGAAAGTGTATCAGTGTGAGTACTGTGAGTATAGCACTACAGATGCCTCA
GGCTTTAAACGGCACGTTATTTCCATTCACACGAAAGACTATCCTCACCGGTGTGAGTAC
TGCAAGAAAGGCTTCCGAAGACCTTCAGAAAAGAACCAGCACATAATGCGACATCATAAA
GAAGTTGGCCTGCCCTAA
    
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Restriction Sites: Please inquire

ACCN: NM_001178085

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).

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| 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: | <ol style="list-style-type: none">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_001178085.1 , NP_001171556.1 |
| RefSeq Size: | 7740 bp |
| RefSeq ORF: | 2418 bp |
| Locus ID: | 7543 |
| UniProt ID: | P17010 |
| Cytogenetics: | Xp22.11 |
| Protein Families: | Transcription Factors |
| Gene Summary: | <p>This gene on the X chromosome is structurally similar to a related gene on the Y chromosome. It encodes a member of the krueppel C2H2-type zinc-finger protein family. The full-length protein contains an acidic transcriptional activation domain (AD), a nuclear localization sequence (NLS) and a DNA binding domain (DBD) consisting of 13 C2H2-type zinc fingers. Studies in mouse embryonic and adult hematopoietic stem cells showed that this gene was required as a transcriptional regulator for self-renewal of both stem cell types, but it was dispensable for growth and differentiation of their progeny. Multiple alternatively spliced transcript variants encoding different isoforms have been identified, but the full-length nature of some variants has not been determined. [provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (3) has an additional exon in the 5' UTR, as compared to variant 1. Variants 1, 2, and 3 encode the same 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.</p> |