

Product datasheet for **RC230504**

ZFX (NM_001178085) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFX (NM_001178085) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZFX
Synonyms:	ZNF926
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC230504 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

RCATGGATGAAGATGGGCTTGAATTACAACAAGAGCCAAACTCATTTTTTGTATGCAACAGGAGCTGATGG
 TACACACATGGATGGTGATCAAATTGTTGTGGAAGTACAAGAACTGTTTTTGTTCAGATGTTGTGGAT
 TCAGACATAAAGTGCATAAATTGTTCTGATGACCCAGATTCAAGTTGAATCCAAGATGTTATTGAGG
 ACGTTGTATAGAAGATGTTCAAGTCCAGATATCATGGAAGAAGCAGATGTGTCTGAAACGGTCATCAT
 TCCTGAGCAAGTCTGGACTCAGATGTAAGTGAAGAAGTTCTTTAGCACATTGCACAGTCCAGATGAT
 GTTTTAGCTTCTGACATTACTTCAGCCTCAATGTCTATGCCAGAACACGTCTTGACGGGTGATTCTATAC
 ATGTGTCTGACGTTGGACATGTTGGACATGTTGGACATGTTGAACATGTGGTTCATGATAGTGTAGTGA
 AGCAGAAATTGCACTGATCCTCTGACTACCGACGTAGTTTCAGAAGAAGTATTGGTAGCAGACTGTGCC
 TCTGAAGCAGTCATAGATGCCAATGGGATCCCTGTGGACCAGCAGGATGATGACAAGGCCAACTGTGAGG
 ACTACCTTATGATTTCTTGGATGATGTGGCAAATAGAACACGATGGTCTTCTGGAATGACCATGGA
 CACAGAGTCGGAATGATCCTTGTAAAGTGGATGGCACTTGCCCTGAGGTCATCAAGGTGTACATTTTT
 AAAGCTGACCCTGGAGAAGATGACTTAGGTGGAAGTGTAGACATTGTGGAGAGTGAGCCTGAGAATGATC
 ATGGAGTTGAACTGCTTATCAGAACAGCAGTATTCGTGTTCCAGGGAAAAGATGGTTTATGACTGT
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 ATCGTAGGAGAGGAGGATGCTGCAGCAGCAGCGCCAGCCGCCCGCTGCACGAGCAGCAAATGGATGACA
 ATGAAATCAAAACCTTATGCCGATTGCATGGGCAGCAGCTTATGGTAATAATTCTGATGGAATGAAAA
 CCGGAATGGCACTGCAAGTGGCCTTGGCACATAGATGAGTCTGCTGGCCTCGGCAGACTGGCTAAACAA
 AAACCAAAGAAAAGGAGAAGACCTGATTCAGGCAGTACCAAACAGCAATAATTATTGGCCCTGATGGAC
 ATCCTTTGACTGTCTATCCTTGCATGATTTGTGGGAAGAAGTTTAAAGTCGAGAGGTTTTTTGAAAAGGCA
 CATGAAAACCATCCCGAACCTTGCCAAGAAGAAATACCGCTGTACTGACTGTGATTACACTACCAAC
 AAGAAGATAAGTTTACACAACCCTGGAGAGCCACAAGCTGACCAGCAAGGCAGAGAAGGCCATTGAAT
 GCGATGAGTGTGGGAAGCATTCTCTCATGCAGGGGCTTTGTTTACTCACAAAATGGTGCATAAGGAAAA
 AGGAGCCAACAAAATGCACAAGTGTAAATCTGTGAATACGAGACAGCTGAACAAGGTTATTGAATCGC
 CACCTCTTGGCAGTCCACAGCAAGAAGTCTCCTCATATTTGTGTGGAGTGTGGTAAGGGTTTTTCGCACC
 CGTCAGAGCTCAAAAAGCAGATGAGAATCCATACTGGGGAGAAGCCGTACCAATGCCAGTACTGCGAATA
 TAGGTCAGACTCTTCTAACTTGAAGAACGCATGTCAAACTAAGCATAGTAAAGAGATGCCATTCAAG
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 GCAAAACACACAGTGTTTGCAATGCGACCACAAGAGTTCGAACTCAAGTGAATTTGAAACGACACATAAT
 TTCAGTTCACACGAAAGACTACCCCAATAAGTGTGACATGTGTGATAAAGGCTTTCACAGGCCTTCAGAA
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 CAGATCCATTTGTTCTAAGTCGCCATATCTCTCAGTTCACACAAAGGATCTTCCATTTAGGTGCAAGAG
 ATGTAGAAAGGGATTTAGGCAACAGAGTGAAGTAAAAAGCATATGAAGACACACAGTGGCAGGAAAGTG
 TATCAGTGTGAGTACTGTGAGTATAGCACTACAGATGCCTCAGGCTTTAAACGGCAGCTTATTTCCATTC
 ACACGAAAGACTATCCTCACCGGTGTGAGTACTGCAAGAAAGGCTTCGGAAGACCTTCAGAAAAGAACCA
 GCACATAATGCGACATCATAAAGAAGTTGGCCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230504 protein sequence
Red=Cloning site Green=Tags(s)

XWMKMGLNYNKSQTHFLMQQELMVHTWMVIKLLWKYKFLFQMLWIQT*LCITLFLMTQIQL*SKMLLR
TLL*KMFSAQISWKKQMCLKRSSFLSKCWTQM*LKKFL*HIAQSQMMF*LLTLLQPQCLCQNTS*RVILY
MCLTLDMLDMLNMWFMIV*WKQLSLIL*LPT*FQKKYW*QTVPLKQS*MPMGLWTSRMMTKATVR
TTL*FPWMMLAK*NTMVLE*PWTQSRKILVKWMALALRSSRCTFLKLTLEKMT*VEL*TLWRVSLRMI
MELNCLIRTAVFVFPGRWFI*LSMTLSQMKI*MLLKSLTKFIWK*S*ERRMLQQRQPPCTSSKWM
MKSKPSCRLHGQQLMVIILMELKTGMALQVPSCT*MSLLASADWLNKNQRKGEDLIPGSTKQQ*LLALMD
IL*LSILA*FVGRSLSREVF*KGT*KTIPNTLPRRNTAVLTVITLPTRR*VYTTTWRATS*PARQRRPLN
AMSVGISLMOGLCLLTKWCIRKKEPTKCTSVNSVNTRQLNKG*Y*IATSWQSTARTFLIFVWSVVRVFT
RQSSKST*ESILGRSRTNASTANIGLQTLT*KRMSKLSIVKRCHSSVTFVF*LSRIPKRCSNMLLSTKK
AKHTSVCIAATTRVRTQVI*NDT*FQFTRKTPISVTCVIKFTGLQNSRNTWLPTRAKKCTSDIVTLRL
QIHLF*VAIFSQFTQRIHFLGARDVERDLGNRVSLKSI*RHTVAGKCISVSTVSIALQMPQALNGTLFPF
TRKTILTGVSTARKASEDLQKRTST*CDIIKKLAC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4094_e02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001178085

ORF Size: 2415 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001178085.1](#), [NP_001171556.1](#)

RefSeq Size: 7740 bp

RefSeq ORF: 2418 bp

Locus ID: 7543

UniProt ID: [P17010](#)

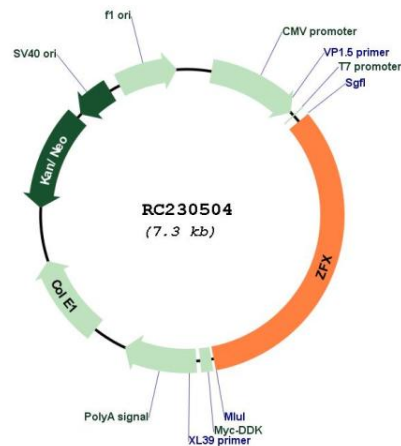
Cytogenetics: Xp22.11

Protein Families: Transcription Factors

MW: 90.5 kDa

Gene Summary: 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]

Product images:



Circular map for RC230504