

## Product datasheet for **RG230072**

### ZFX (NM\_001178095) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ZFX (NM\_001178095) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ZFX  
**Synonyms:** ZNF926  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG230072 representing NM\_001178095  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGAAGATGGGCTTGAATTACAACAAGAGCCAACTCATTTTTTGGATGCAACAGGAGCTGATGGTA  
CACACATGGATGGTGATCAAATTGTTGTGGAAGTACAAGAACTGTTTTTGTTCAGATGTTGTGGATTC  
AGACATAACTGTGCATAACTTTGTTCTGATGACCCAGATTCAGTTGTAATCCAAGATGTTATTGAGGAC  
GTTGTTATAGAAGATGTTCAAGTCCAGATATCATGGAAGAAGCAGATGTGTCTGAAACGGTCATCATT  
CTGAGCAAGTGTGGACTCAGATGTAAGTGAAGAAGTTTCTTTAGCACATTGCACAGTCCAGATGATGT  
TTTAGCTTCTGACATTACTTCAGCCTCAATGTCTATGCCAGAACACGCTTTCAGCGGTGATTCTATACAT  
GTGCTGACGTTGGACATGTTGGACATGTTGGACATGTTGAACATGTGGTTCATGATAGTGTAGTGGAA  
CAGAAATTGCTACTGATCCTCTGACTACCGACGTAGTTTCAGAAGAAGTATTGGTAGCAGACTGTGCCTC  
TGAAGCAGTCAATAGATGCCAATGGGATCCCTGTGGACCAGCAGGATGATGACAAAGGCAACTGTGAGGAC  
TACCTTATGATTTCTTGGATGATGCTGGCAAAATAGAACACGATGGTCTTCTGGAATGACCATGGACA  
CAGAGTCGGAAATTGATCCTTGTAAAGTGGATGGCACTTGCCTGAGGTCATCAAGGTGTACATTTTTAA  
AGCTGACCCTGGAGAAGATGACTTAGGTGGAAGTGTAGACATTGTGGAGAGTGAGCCTGAGAATGATCAT  
GGAGTTGAACTGCTTGTGACAGAACAGCAGTATTCGTGTTCCAGGGAAAAGATGGTTTATGACTGTCA  
ATGACTCTCAGCCAGAAGATGAAGATTTAAATGTTGCTGAAATCGCTGACGAAGTTTATATGGAAGTGT  
CGTAGGAGAGGAGGATGCTGCAGCAGCAGCGCCAGCCGCCCGCTGCACGAGCAGCAAAATGGATGACAA  
GAAATCAAACCTTCATGCCATTGCATGGGCAGCAGCTTATGGTAATAATTCTGATGGAATTGAAAACC  
GGAATGGCACTGCAAGTGCCTCTTGCACATAGATGAGTCTGCTGGCCTCGGCAGACTGGCTAAACAAA  
ACCAAAGAAAAGGAGAAGACCTGATCCAGGCAGTACCAAACAGGTGAGGGCGCACGAGTTCCATGGCGC  
AGCGTCTGCGAGCTCTCAGAGGAACTCTACAA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG230072 representing NM\_001178095  
 Red=Cloning site Green=Tags(s)

MDEGLLELQQEPNSFFDATGADGTHMDGDQIVVEVQETVVFVSDVVSDITVHNFVDDPDSVVIQDVIED  
 VVIEDVQCPDIMEEADVSETVIIPEQVLDSVTEEVSLAHCTVPDDVLAASDITSAASMPPEHVLTGDSIH  
 VSDVGHVGHVGHVEHVHDSVVEAEIVTDPLTTDVSSEVLVADCASEAVIDANGIPVDQDDDKGNCE  
 YLMISLDDAGKIEHDGSSGMTDTESEIDPCKVDGTCEVIKVIYIFKADPGEDDLGGTVDIVSEPENDH  
 GVELLDQNSSIRVPREKMYMTVNSQPEDEDLNVAEIADEVYMEVIVGEEDAAAAAAAAAVHEQQMDDN  
 EIKTFMPIAWAAAAYGNNSDGIENRNGTASALLHIDESAGLGRLLAKQKPKRRRPPDSRQYQTGEGARVPWR  
 SVLCELSEETLQ

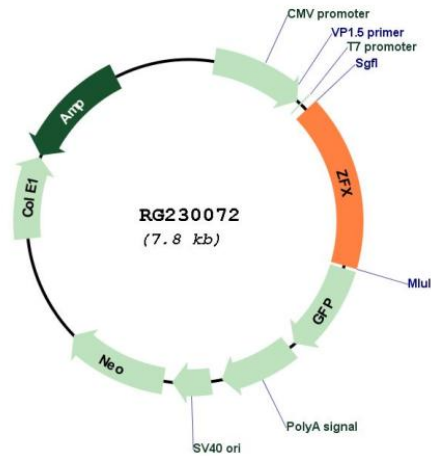
TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001178095

<b>ORF Size:</b>	1296 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001178095.2</a>
<b>RefSeq Size:</b>	7534 bp
<b>RefSeq ORF:</b>	1299 bp
<b>Locus ID:</b>	7543
<b>Cytogenetics:</b>	Xp22.11
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	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]