

Product datasheet for **RG218751**

ZHX3 (NM_015035) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZHX3 (NM_015035) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZHX3
Synonyms:	TIX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG218751 representing NM_015035
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAGCAAGAGGAAATCCACCACCATGCATGATCCAGTGAAGACTGTGGTGTGCAAGATGCCA
 GCATGGAGGCCAGCCCGCTGAGACCTTGCTGAAGACCCAGCAGGATCTGCCCCAGAAGCATCTGC
 TGCCAGCAGTGAGGCAGCACAGAACCCAGCAGTACTGATGGCTTACACTGGCCAATGGGCATCGGAGC
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 GACATATGAACTCAGAGCACAGACTTTAATAAAGACCCAACCTTTGTATGCAGTGGTGCAGTTTTCT
 GGCAAAAACCCCTGAGGGGCTTCTTGCAACAATGCCACATGCTACTCCGGGGAAGCCAGCTTTGTGTGG
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 AGATGTTCAATACAGTCATCCAGTCTGTGCCTCAGCCACAATTACGGTCTAAATACCCCACTGTCCGC
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 GACTCCTGACTTCACACCAACCAATACAAAGGAGAGAGCCCTGAGCAGCTCAGAGCCCTGGAGAGCAGT
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 GCAGTTCAAAAAGGATGGGTGACACCTATTGAGAGGTGTCTGAGAACAGTGAAGTGGGAGCCCCGTG
 TCCCTGAGGCCAGCTCAGAGCCCTTGGACACATCGAGTCCCAGGCTGGACGTCAGCTCGAAACAGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG218751 representing NM_015035
Red=Cloning site Green=Tags(s)

MASKRKSTTPCMIPVKTVVLQDASMEAQPAETLPEGPQQDLPEEASAASSEAAQNPSTDGSTLANGHRS
 TLDGYLYSCKYCDFRSHDMTQFVGHMNSEHTDFNKDPTFVCSGCSFLAKTPEGLSLHNATCHSGEASFVW
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 TGGLLVTPQLMANGLQATSSPLPLTVTSVPKQPGVAPINTVCSNTTSAVKVNNAAQSLLTACPSITSQA
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 GDHSSIIIDSVPVSVFSPSSKVPEVTCIPTATLATHPSAKRQSWHQTPDFTPTKYKERAPEQLRALESS
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 RVSGENGSLEMPSSHILAEKRVSPKIKINLKNLRVTEANGRNEIPLGACDPEDDENKLAELQPGKVSCK
 KTAQQRHLLRQLFVQTQWPSNQDYDSIMAQTGLPRPEVVRWFGDSRYALKNGQLKWYEDYKRGNFPPGLL
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 AVHKMGMDTYSEVSENSESWEPVPEASSEPFDTSSPQAGRQLETD

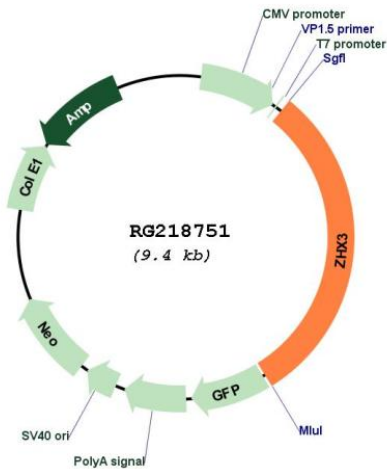
TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_015035

ORF Size: 2868 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_015035.4](#)

RefSeq Size: 10007 bp

RefSeq ORF: 2871 bp

Locus ID: 23051

UniProt ID: [Q9H4I2](#)

Cytogenetics: 20q12

Protein Families: Transcription Factors

Gene Summary: This gene encodes a member of the zinc fingers and homeoboxes (ZHX) gene family. The encoded protein contains two C2H2-type zinc fingers and five homeodomains and forms a dimer with itself or with zinc fingers and homeoboxes family member 1. In the nucleus, the dimerized protein interacts with the A subunit of the ubiquitous transcription factor nuclear factor-Y and may function as a transcriptional repressor. [provided by RefSeq, Jul 2008]