

Product datasheet for **MG211285**

Zhx3 (NM_177263) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zhx3 (NM_177263) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zhx3
Synonyms:	1810059C13Rik; 4932418O04Rik; 9530010N21Rik; mKIAA0395; Tix1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211285 representing NM_177263
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAGCAAAAAGGAAGTCCACCACCCCATGCATGATCCCCGTTAAGACCGTGGTGTGCCGGGTGCCA
 GCACAGAGCCTCAGCCTGTGGAGTCTCTGCCTGAAGGTCCCAGCAGGATCTTCCCTCAGAGGCACCTGA
 TGCAGCAGCAGGCAGCCCCAAACCCAGCAGCACTGATGGCTCTGCCCTGGCAAATGGCACCAGGAGC
 ACTTTGGATGGCTATGTATATTGCTGTAAGAGTGTGAGTTCAGGTCCCAGGATGTGACCCACTTTATAG
 GACATATGAACTCAGAGCACACAGACTTTAATAAAGACCCAACTTTTGTATGTACAGGGTGCAGTTTCT
 GGCAAAAAACCCGAAGGACTTTCCCTGCATAATGCCAAGTGTCACTCAGGGGAAGCCAGCTTTTGTGG
 AATGTGACCAAGCCAGACAATCATGTAGTAGTGGAGCAGAGTGTCCCTGACAGTGTAGCTCATCTGTCC
 TAGCAGGTGAGTCTACTACGGAAGGACTGAAATCATCATTACCAAGACTCCAATCATGAAGATAATGAA
 AGGCAAGCTGAAGCCAAAAAATCCATATGCTTAAAGAGAACGCTCCTAATCAGCTGGGAGTGAGGCC
 TTGCCTAAGCCATTGGCAGGGGAGAGAGAGGTTAAAGAGGGGGACCACACTTTCATCAATGGGGCAGCTC
 CAGGCAGTCAGGCATCTGCTAAGTCCACAAAACCCCTCCTGCTGCCAATGGGCCCTGATAGGAACAGT
 GCCTGTCTTGGCAGCTGGTATAGCACAGTTCCTCTCCCTCCAGCAGCAGCCCCAGTACATGCCAACAC
 CACACCCACCAACCCCTGCCTACATCCAAGACCCTCCGAAAGTCATGATCCCCTTGAGCAGCATCCCAA
 CATATAATGCAGCTATGGACTCCAACAGCTTTCTGAAGAACTCCTCCACAAATCCCCTACCCAACCA
 AGCTGAGCTCTGCTATTTGACTGTGGTGACCAAGTATCCAGAAGAACAGCTTAAATCTGGTTCACAGCC
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 TGTACAGCACCTCATCCAGGCTACTCTCCAGGTCATGCTGTGGGACAGCCTGAGGGCACAGCAGGGGGG
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 ATCTACAAAAATAAGAAGTCTCATGAACAGCTCTCGGCTCTGAAAGGAAGCTTCTGTGCGAACCAAGTTT
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 CAGTGACCGGAGATCACTGCCGAATCTGAAGGGCTCCAGGGCATGATGCCCGGAGAGCATGGCTCT
 GTTCTCATTGACTCTGTGCCAGAGTGCCTTTCCCTGGCATCTAAAGTTCAGAGGTGACCTGTATCC
 CAACAGCAACCTCACTAGTAAGCCACCCTGCCACCAACGACAATCTTGGCACCAGACCCAGACTTCAC
 ACCAACCAAAATACAAAGAAAGAGCCCCAGAGCAGCTGCGAGTCTAGAGAACAGCTTTGCACAAAACCCA
 CTTCCCCCGAGGAGGAGCTGGACCCGCTAAGAAGTGAACGAAAATGACTCGAAGGGAAATGATGGCT
 GGTTCTCAGAGAGGGCGGAAAAAGGTGAATACTGAGGAGACAAAGAAAGCTGATGGGCACATGCCTAAGGA
 GGAGGAGGAGGGTGTGAGCAGGAGGGTAGAGATGAAGAGTTGGCCAATGAGCTGAGGGTCCCTGGTGAA
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 GGAAGATGGTTTGAACAAGTTGGTGAACAGCCACCAAGCAAAGTAAGCTACAAAAAGACCGCACAGCAG
 CGTCAATTTGCTTCGGCAGCTCTTTGTCCAAACACAGTGGCCAAGCAACCAGGACTATGACTCCATTATGG
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 CCAGCTCAAGTGGTACGAAGACTATAAGAGGGGAACTTCCCACCAGTTTGTGGTGTATAGCCCTGGC
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 GTGATAAGACCCAGATGAGTGCCAGCAGGTCAAGCAGTGGTTTGTGAGAGATGGGTGAAGAGACCCG
 GGCTGTGGCAGATATAAGCAGTGAAGTACAGGGCCCTAGAAATGGAGAGCCTGTGGCAGTTCACAAGGTG
 CTGGGTGATGCCTATTCGGAGCTGTCTGAGAACAGCGAATCATGGGAGCCAAGTGTCTCTGAGGCCAGCT
 CAGAGCCTTTTGACACTCAAGTCCCAGTCTGGACGTCAACTCGAAGCAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211285 representing NM_177263
 Red=Cloning site Green=Tags(s)

MASKRKSTTPCMIPVKTIVLPGASTEPQVPEESLPEGPQQDLPSEAPDASSEAAPNPSSTDGSA LANGHRS
 TLDGYVYCCKECEFRRSQDVTHF IGHMNSEHTDFNKDPTFVCTGCSFLAKNPEGLSLHNAKCHSGEASFLW
 NVTKPDNHVVVEQSV PDSASSSVLAGESTTEGTEIIITKTPIMKIMKGKAEAKKIHMLKENAPNQP GSEA
 LPKPLAGEREVKEGDHTF INGAAPGSQASAKSTKPPPAANGPLIGTVPVLPAGIAQFLSLQQQPPVHAQH
 HTHQPLPTSKTLPKVMIP LSSIPTYNAAMDNSFLKNSFHKFPYPTKAELCYLTVVTKYPPEQLKIWFTA
 QRLKQGI SWSPEEIEDARKKMFNTVIQSVPQPTITV LNTPLVASAGNVQH LIQATLPGHAVGQPEGTAGG
 LLVTQPLMANGLQASSSSLPLTTASVPKPTVAPINTVCSNSASAVKVVNAQ SLLTACPSITSQAF LDAN
 IYKNKSHEQLSALKGSFCRNQFP GQSEVEHLTKVTGLSTREVRKWFSDRRYHCRNLKGSRAMMPGEHGS
 VLIDSVPEVPFPLASKVPEVTCIPTATSLVSHPATKRQSWHQTPDFTPTKYKERAPEQLRVLENSFAQNP
 LPPEEELDRLRSETKMT RRIDGWF SERRKVNTEETKKADGHMPKEEEE GAEQEGRDEELANELRV PGE
 NGSP EMFLSHALAEKVSPIKINLKNLRVTEASGKSEFPGMGVCEPEEDGLNKLVEQPPSKVSYKKA TQQ
 RHLLRQLFVQTQWPSNQDYDSIMAQTGLPRPEVVRWFGDSRYALKNQ LKWYEDYKRGNFPPGLLVIAPG
 NRELLQDY YMTHKMLCEEDLQTLCDKTQMSAQQVKQWF AEKMGEE TRAVADISSE DQGP RNGE PVAHV K
 LGDAYSELSENSESWEPSAPEASSEPFDTSSPQSGRQLEAD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

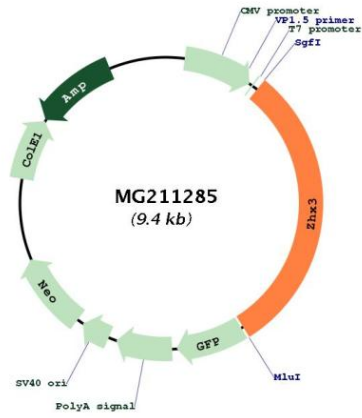


ACCN: NM_177263

ORF Size: 2853 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:	<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_177263.3 , NP_796237.2
RefSeq Size:	4499 bp
RefSeq ORF:	2856 bp
Locus ID:	320799
UniProt ID:	Q8C0Q2
Cytogenetics:	2 H2
Gene Summary:	Acts as a transcriptional repressor. Involved in the early stages of mesenchymal stem cell (MSC) osteogenic differentiation. Is a regulator of podocyte gene expression during primary glomerula disease. Binds to promoter DNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211285