

Product datasheet for **RN212301**

Zyx (NM_053761) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zyx (NM_053761) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Zyx
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212301 representing NM_053761
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCCGCCCGCCCTCCCGCATCTCCGTCTCGGTCTCGGCCCGCGTTTTACGCCCGCAGA
 AGAAGTTCGCCCCGGTTGTGGCCCCGAAGCCAAAGTGAATCCTTTCCGGCCTGGGGACAGCGAGTCTCC
 TGTGGCAGCCGGGGCCAGAGAGCACAGATGGGCCGGGTGGGCGAGATCCCCCACCGCCCGGAAGAC
 TTTCTTTGCCCCCTCTCCCGTTATTGGGGAGGGCGACGACTCAGAGGGGGCCCTGGGAGGTGCCTTCC
 CACCTCCACCTCCCCGTGATCGAAGAACCATCCCCCTGCTCCTCTGGAGGAGGACATTTCCCTC
 CCCTCCACCTCCACTGGAGGAGGAGGGAGGACCTGAGGCCCTACCCAGCTCCACCCGACGCCAGGGAG
 AAAGTGAGCAGTATTGACCTGGAGATCGACTCTGTCTCTACTGCTGGATGACATGACCAAGAACGATC
 CCTTCAAAGCCCGGTGTCATCTGGATATGTACCTCCACCAGTTGCTACTCCATTTGTTCCCAAACCTAG
 TACCAAGCCTGCCCTGTGGGCACAGCACCTTACCTCCTTGAAGGCCCTTCTAGCTCTCAGCCACCA
 CCTCAGCCGACAGGCCAAGCCTCAGGTCCAGCTCCATGCCAGCCTCAGGCCAAGCCCATGTCCAACCC
 AGTCTGTGTCTTCCGCTAATACACAGCCCCGAGGTCCCTTTCTCAGGCTCCAACCTCCAGCACCTAAGTT
 TGCTCCAGTGGCACCTAAATTTACTCCCGTGGCTTCAAATTCAGCCCTGGTGTCCAAGTGGACCTGGG
 CCACAGCCAGTCAAAAATCGGTGCCTCTGGAAGCTCCTTCTTGTGGGCACAGGCTCCCCCAGCCCC
 CTAGCTTACCTATGCTCAGCAGAAGGAGAAGCCCTAGTTCAAGAGAAGCAGCACCCACTGCCTCCACC
 AGCTCAAACCAAAACCAGGTACGTTCTCCTGGAGGCCAGGCCCTTACCCTGAAGGAGGTGGAAGAG
 TTGGAGCAGCTGACCCAGCAGCTGATGCAGGACATGGAGCACCCCTCAGAGGCAGAGCGTGGACAATG
 AGTCTGTGGCAAATGCAGTCAGCCACTGGCCCCGAGCACAGCCTGCAGTCCGTGCAGTGGACAATGTT
 CCATATCACCTGCTTCACTTGTATCATCAGTGTGAGCAGCAGCTGCAGGGACAGCAGTTCTATAGCCTGGAG
 GGGCACCATATTGTGAGGGCTGTACTGACTCTGGAGAAGTGCAACACTTGTGGGCAGCCATCA
 CTGACCGAATGCTGAGGGCCACTGGCAAAGCCTACCACCCACATTGCTTACCTGTGTGGTCTGCGCCTG
 TCCCTGGAGGGCACTTCTTCTTGTGGACCAGGCCAATCAGCCCCACTGTGTTCTGACTATCACAAG
 CAATATGCTCAAAGTGTCTGTCTGCTCGGAGCCATCATGCCTGAGCCTGGCCGGATGAGACTGTGC
 GAGTAGTCGCGCTGGATAAAGACTTTCATATGAAGTGTACAAGTGTGAGGACTGTGGGAAAGCCCTGTC
 CATTGAGGCAGATGACAACGGCTGTTCCCTCTGGATGGCCATGTCTTTGTGCGAAGTGCCACTCTGCT
 AGAGCCCAGACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053761

Insert Size: 1695 bp

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).

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_053761.1](#), [NP_446213.1](#)

RefSeq Size: 2558 bp

RefSeq ORF: 1695 bp

Locus ID: 114636

Cytogenetics: 4q24

Gene Summary: may be involved in regulation of inflammatory response; displays decreased mRNA expression in vascular smooth muscle cells treated with cytokines IL-1 and TNF alpha [RGD, Feb 2006]