

Product datasheet for **MC228322**

Zyx (NM_001289617) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zyx (NM_001289617) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zyx
Synonyms:	9530098H06Rik; R75157
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228322 representing NM_001289617
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCCGCCCGCCCTCCCGCATCTCCGTCTCCGTCTCGGCCCGCGTTTTACGCCCGCAGA
 AGAAGTTCGCCCCGGTTGTGGCCCCAAAGCCAAAGTGAATCCTTCCGGCCTGGGGACAGCGAGCCTCC
 TGTAGCAGCCGGGGCCAAAGAGCGCAGATGGGTGGGTGGGCGAGATCCACCACCACCCCGGAAGAC
 TTTCTTTGCCCCCTCTCCCTTATTGGGGAGGGCGACGACTCAGAGGGTGCCTGGGAGGTGCCTTCC
 CACCTCCACCTCCCCGATGATCGAGGAACATTCCCCCTGCTCCTCTGGAGGAGGACATTTCCCTC
 CCCTCCACCTCCACTGGAGGAGGAGGGAGGCCCTGAGGCCCTACCCAGCTCCACCCGACGCCAGGGAG
 AAAGTGTGCAGTATTGACCTGGAGATTGACTCTGTCTCCTACTGCTGGACGACATGACCAAGAACGATC
 CCTTCAAAGCCCGGTATCATCCGGATATGTACCCACCAGTTGCCACTCCATTTGTTCCCAAGCCTAG
 TACCAAACCTGCCCTGGGGCACAGCACCTTGCCTCCTTGAAGACCCCTTCTAGCTCCAGCCACCA
 CCTCAGCCGACGGCAAGCCTCAGGTCCAGCTCCATGTCCAGCCTCAGGCCAAGCCCATGTCCAACCC
 AGCCTGTGTCTTCTGCTAATACACAGCCCCGGGTCCCTTTCTCAGGCACCAACTCCAGCACCTAAGTT
 TGCTCCAGTGGCTCCTAAATTTACTCCCGTGGTTTCCAAGTTCAGCCCTGGTGTCCAAGTGGACCTGGG
 CCACAGCCCAATCAAAAAATGGTGCCTCCGGATGCTCCTTCTTCTGTGAGCACAGGCTCCCTCAGCCCC
 CTAGCTTACCTATGCTCAGCAGAAGGAGAAGCCCTAGTTCAAGAGAAGCAGCACCCACAGCCTCCACC
 AGCTCAAACCAAAACCAGGTACGCTCTCCTGGAGGCCAGGCCCTTACCCCTGAAGGAGGTAGAGGAG
 TTGGAGCAGCTGACCCAGCAGCTGATGCAGGACATGGAACACCCTCAGAGGCAGAGCGTGGCAGTGAATG
 AGTCTGTGGCAAATGCAATCAGCCACTGGCCCGTGCACAGCCTGCGGTTCTGTGACTGGGACAACCTGT
 CCACATCAGCTGCTTCACTTGCATCAGTGTGAGCAGCAGCTGCAGGGACAGCAGTTCTATAGCCTGGAG
 GGAGCACCATATTGTGAGGGCTGTACACCCGACACTTTGGAGAAGTGCAACACCTGTGGGACGCCATCA
 CTGACCGCATGCTGAGGGCCACTGGCAAAGCCTACCACCCACAGTGTTCACCTGTGTGCTGTGCGCCTG
 TCCCTGGAGGGCACCTCCTTATTGTGGACCAGGCCAATCAGCCCCACTGTGTCCCTGACTATCACAAG
 CAATACGCTCAAAGGTGCTCCGTCTGCTCGGAGCCAATCATGCCTGAGCCTGGCCGAGACGAGACTGTGC
 GAGTAGTGGCGCTGGATAAAGAACTTTCATATGAAGTGTACAAGTGTGAGGACTGTGGGAAACCTCTGTC
 CATTGAGGCAGATGACAACGGCTGTTCCCTCTGGATGGCCACGTCCTTTGTGCGAAGTGCCACTCCGCT
 AGAGCCCAGACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001289617
- 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001289617.1](#), [NP_001276546.1](#)

RefSeq Size: 3412 bp

RefSeq ORF: 1695 bp

Locus ID: 22793

UniProt ID: [Q62523](#)

Cytogenetics: 6 B2.1

Gene Summary: Adhesion plaque protein. Binds alpha-actinin and the CRP protein. Important for targeting TES and ENA/VASP family members to focal adhesions and for the formation of actin-rich structures. May be a component of a signal transduction pathway that mediates adhesion-stimulated changes in gene expression (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 3' UTR, compared to variant 1. Variants 1 and 2 encode the same isoform (a).