

Product datasheet for **MC219062**

Zyx (NM_011777) Mouse Untagged Clone

Product data:

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



Fully Sequenced ORF: >MC219062 representing NM_011777
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGCGGCCCCCGCCCGCTCCCGCATCTCCGTCTCCGTCTCGGCCCGCGTTTTACGCCCCGAGA
 AGAAGTTCGCCCCGGTTGTGGCCCCAAAGCCAAAGTGAATCCTTTCCGGCCTGGGGACAGCGAGCCTCC
 TGTAGCAGCCGGGGCCAAAGAGCGCAGATGGGTGGGTGGGCGAGATCCACCAACACCCCGGAAGAC
 TTTCTTTGCCCTCTCCCTTATTGGGAGGGGACGACTCAGAGGGTGCCTGGGAGGTGCCTTCC
 CACCTCCACCTCCCGCATGATCGAGGAACCATCCCCCTGCTCCTCTGGAGGAGGACATCTCCCTC
 CCTCCACCTCCACTGGAGGAGGAGGGCCCTGAGGCCCTACCCAGCTCCACCGCAGCCGAGGGAG
 AAAGTGTGAGTATTGACCTGGAGATTGACTCTCTGTCTCACTGCTGGACGACATGACCAAGAAGCATC
 CCTTCAAGCCGGGTATCATCCGGATATGTACCCCAACAGTTGCCACTCCATTTGTTCCCAAGCCTAG
 TACCAAACTGCCCTGGGGGACAGCACCTTGCCTCCTTGAAGACCCCTTCTAGCTCCAGCCACCA
 CCTCAGCCGAGGCCAAGCCTCAGGTCCAGCTCCATGTCCAGCCTCAGGCCAAGCCCATGTCCAACCC
 AGCCTGTGTCTTCTGCTAATACACAGCCCCGGGTCCCTTTCTCAGGCACCAACTCCAGCACCTAAGTT
 TGCTCCAGTGGCTCCTAAATTTACTCCCGTGGTTCCAAGTTCAGCCCTGGTGTCCAAGTGGACCTGGG
 CCACAGCCCAATCAAAAATGGTGCCTCCGGATGCTCCTTCTTGTGAGCACAGGCTCCCTCAGCCCC
 CTAGCTTCACCTATGCTCAGCAGAAGGAGAAGCCCTAGTTCAAGAGAAGCAGCACCCACAGCCTCCACC
 AGCTCAAAACCAAAACAGGTACGCTCTCCTGGAGGCCAGGCCCTTGACCCTGAAGGAGGTAGAGGAG
 TTGGAGCAGCTGACCCAGCAGCTGATGCAGGACATGGAACACCTCAGAGGCAGAGCGTGGCAGTGAATG
 AGTCTGTGCAATGCAATCAGCCACTGGCCCGTGCACAGCCTGCGGTTCTGTGCACTGGGACAAGTGT
 CCACATCACCTGCTTCACTTGCATCAGTGTGAGCAGCAGTGCAGGGACAGCAGTTCTATAGCCTGGAG
 GGAGCACCATATTGTGAGGGTGTACACCGACACTTTGGAGAAGTGAACACCTGTGGGCAGCCCATCA
 CTGACCGCATGCTGAGGGCCACTGGCAAAGCCTACCAACACAGTGCTTCACTGTGTGGTCTGCGCCTG
 TCCCTGGAGGGCACCTCCTTCATTGTGGACAGGCCAATCAGCCCCACTGTGTCCCTGACTATCACAAG
 CAATACGCTCCAAGGTGCTCCGTCTGCTCGGAGCCAATCATGCCTGAGCCTGGCCGAGACGAGACTGTGC
 GAGTAGTGCGCTGGATAAGAACTTTCATATGAAGTGTACAAGTGTGAGGACTGTGGGAAACCTCTGTC
 CATTGAGGCAGATGACAACGGCTGTTCCCTCTGGATGGCCACGTCCTTTGTGGAAGTGCCACTCCGCT
 AGAGCCAGAC**CTGA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011777

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_011777.3, NP_035907.1</u>
RefSeq Size:	2605 bp
RefSeq ORF:	1695 bp
Locus ID:	22793
UniProt ID:	<u>Q62523</u>
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 (1) encodes the longer isoform (α). Variants 1 and 2 encode the same isoform (α).