

Product datasheet for **MR224009**

Zyx (NM_011777) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zyx (NM_011777) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zyx
Synonyms:	9530098H06Rik; R75157
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224009 representing NM_011777
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCCCGCCCGCTCCCGCATCTCCGTCCTCGGCCCCGCGTTTTACGCCCCGAGA
 AGAAGTTCGCCCCGGTTGTGCCCAAAGCCAAAGTGAATCCTTTCCGGCTGGGGACAGCGAGCCTCC
 TGTAGCAGCCGGGGCCAAAGAGCGCAGATGGGTGGGTGGGCGAGATCCACCACCACCCCGAAGAC
 TTTCTTTGCCCCCTCTCCCTTATTGGGGAGGGCGACGACTCAGAGGGTGCCTGGGAGGTGCCTTCC
 CACCTCCACCTCCCGATGATCGAGGAACATTCCCCCTGCTCCTCTGGAGGAGGACATTTCCCTC
 CCCTCCACCTCCACTGGAGGAGGAGGGAGGCCCTGAGGCCCTACCCAGCTCCACCCGACGCCAGGGAG
 AAAGTGTGCAGTATTGACCTGGAGATTGACTCTGTCTCACTGCTGGACGACATGACCAAGAACGATC
 CCTTCAAAGCCCGGTATCATCCGGATATGTACCCACCAGTTCCTCACTCCATTGTTCCCAAGCCTAG
 TACCAAACCTGCCCTGGGGCACAGCACCTTGCTCCTTGAAGACCCCTTAGCTCCAGCCACCA
 CCTCAGCCGACAGCCAAGCTCAGGTCCAGCTCCATGTCCAGCCTCAGGCCAAGCCCATGTCCAACCC
 AGCCTGTGCTTCTGCTAATACACAGCCCCGGGTCCCCTTTCTCAGGCACCAACTCCAGCACCTAAGTT
 TGCTCCAGTGGCTCCTAAATTTACTCCCCTGGTTTCCAAGTTCAGCCCTGGTGTCCAAGTGGACCTGGG
 CCACAGCCCAATCAAAAATGGTGCCTCCGGATGCTCCTTCTTGTGAGCACAGGCTCCCTCAGCCCC
 CTAGCTTACCTATGCTCAGCAGAAGGAGAAGCCCTAGTTCAAGAGAAGCAGCACCCACAGCCTCCACC
 AGCTCAAACCAAAACCAGGTACGCTCTCTGGAGGCCAGGCCCTTACCCCTGAAGGAGGTAGAGGAG
 TTGGCAGCTGACCCAGCAGCTGATGCAGGACATGGAACACCCCTCAGAGGCAGAGCGTGGCAGTGAATG
 AGTCTGTGGCAAATGCAATCAGCCACTGGCCCGTGCACAGCCTGCGGTTCTGTCAGTGGACAAGTGT
 CCACATCAGCTGCTTCACTTGCATCAGTGTGACAGCAGCTGCAGGGACAGCAGTTCTATAGCCTGGAG
 GGAGCACCATATTGTGAGGGCTGTACACCCGACACTTTGGAGAAGTGAACACCTGTGGGACGCCATCA
 CTGACCGCATGCTGAGGGCCACTGGCAAAGCTACCACCCACAGTGTTCACCTGTGTGGTCTGCGCCTG
 TCCCCTGGAGGGCACCTCCTTATTGTGGACCAGGCCAATCAGCCCCACTGTGCTCCTGACTATCACAAG
 CAATACGCTCAAAGTGTCCGCTGCTCGGAGCCAATCATGCCTGAGCCTGGCCGAGACGAGACTGTGC
 GAGTAGTGGCGCTGGATAAAGACTTTCATATGAAGTGTACAAGTGTGAGGACTGTGGAAACCTCTGTC
 CATTGAGGCAGATGACAACGGCTGTTCCCTCTGGATGGCCACGTCCTTTGTCGGAAGTGCCACTCCGCT
 AGAGCCCAGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224009 representing NM_011777
 Red=Cloning site Green=Tags(s)

MAAPRPPPAISVSVSAPAFYAPQKQKFAVVPKPKVNPFRPGDSEPPVAAGAQRQMGRVGEIPPPPPED
 FPLPPPLIGEGDSEALGGAFPPPPPMIEEPFPPAPLEEDIFSPPPPLEEEGGPEAPTQLPPQPRE
 KVCIDLEIDSLSSLLDDMTKNDPFKARVSSGVYPPPVATPFVVKPSTKPAPGGTAPLPWKTPSSSQPP
 PQQPAKPVQLHVQPQAKPHVQPPVSSANTQPRGPLSQAPTAPKFAVVPKFTPVVSKFSPGAPSGPG
 PQPQKQMVPPDAPSSVSTGSPQPPSFTYAQQKEKPLVQEKQHPQPPPAQNNQVRSPPGGPPLTLKEVEE
 LEQLTQQLMQDMEHPQRQSVAVNESCGKCNQPLARAQPAVRALGQLFHITCFTHCQQQLQGQFYSL
 GAPYCEGCTDTLEKNTCGQPIIDRMLRATGKAYHPQCFVCVACPLEGTSFIVDQANQPHCVDPDYHK
 QYAPRCSVCSEPIPEPGRDETVRVVALDKNFHMCKYKCEDCGKPLSIEADDNGCFPLDGHVLCRKCHSA
 RAQT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_011777

ORF Size: 1692 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_011777.3](#), [NP_035907.1](#)

RefSeq Size: 2454 bp

RefSeq ORF: 1695 bp

Locus ID: 22793

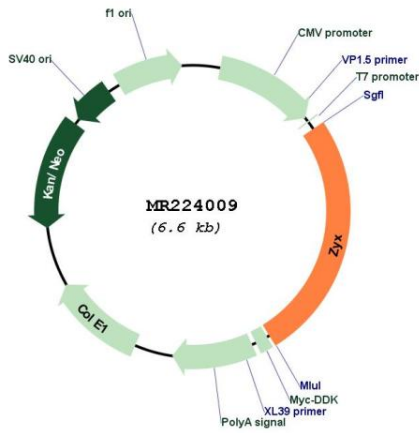
UniProt ID: [Q62523](#)

Cytogenetics: 6 B2.1

MW: 61 kDa

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]

Product images:



Circular map for MR224009