

## Product datasheet for **MR216063**

### Sh3pxd2a (NM\_001164717) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3pxd2a (NM_001164717) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sh3pxd2a
Synonyms:	2310014D11Rik; AA589508; AI256723; AI413738; C230050L11; EG329070; Fish; Gm5098; Sh3md1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216063 representing NM_001164717 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCGCTACTGCGTGCAAGATGCCACCGTGGTGGACGTGGAGAAGCGGAGGAGCCCTCTAAACACT  
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TAAAGCCATCGATGAATACTGCAGGGCGCTTGTCCGGCTGCCGCCACATTTACAGTGTGACGAAGT  
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AGCCCATGATCCTGGAACAGTACGTGGTGGTGTCCAATAAAGAAACAAGAGAAGTCCGAGCTGAGCCT  
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CTCGGCAAAGAGGGTGGGCACACGCTCCTACCTGAAGAAGGCCAAGGATGACCTGCCGACCCGGAAGA  
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GGCCCCAGCCTCATACTTGACAAGCGCAAGAAACCAACCTCAGCCGCCGAACCAGCACTCTGACGCGG  
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**Protein Sequence:**

>MR216063 representing NM\_001164717  
 Red=Cloning site Green=Tags(s)

MLAYCVQDATVVDVEKRRSPSKHYVYIINVTWSDSTSQT IYRRYSKFFDLQMLLDKFP IEGGQKDPKQR  
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 TP PIPSKPPGGFGKTS GTVAVKMRNGVRQVAVRPQSVFVSPPPKDNLL SCALRRNESL TATDSL RGVRRNS  
 FSTARSAAA EAKGR LAERAASQGS EPLLPTQRKGI PVPVPRPKPIEKSQFIHNNLKD VYI SIADYEGDE  
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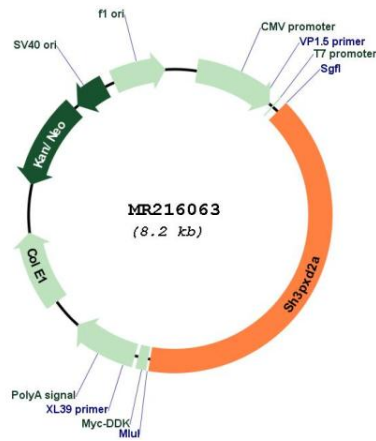
UniProt ID: [O89032](#)

Cytogenetics: 19 C3

MW: 121.2 kDa

**Gene Summary:** Adapter protein involved in invadopodia and podosome formation, extracellular matrix degradation and invasiveness of some cancer cells. Binds matrix metalloproteinases (ADAMs), NADPH oxidases (NOXs) and phosphoinositides. Acts as an organizer protein that allows NOX1- or NOX3-dependent reactive oxygen species (ROS) generation and ROS localization. In association with ADAM12, mediates the neurotoxic effect of amyloid-beta peptide (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR216063