

Product datasheet for **MR211636**

Zswim4 (NM_172503) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zswim4 (NM_172503) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zswim4
Synonyms:	D330002I24; E130119J17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211636 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCCCCGCGGCCAAGCGCAGCCGGGGCTGCCCGCGGGGACGAGCCGGGACCGGGGCCGTC
GCAGTCGCCCCGAGCCGTTGTTGGACCTTAGCGCCAAGCGGTGGCCGAGAGCTGGGCCTTCGAGCAGGT
GGAGGAAAGGTTCTCCCGGTGCCGAACCGTTTCTCAGAGCGCATTGTGTTCTGGTCTTTCCACGAAGT
GAGCGGGAGATCTGTATGTACTCATCTGCTGGGCTACCAGCCCCAGAAGGTGAGCAGGACACCCGGGTAC
CATTACCCGTGGGCTGCACCTGTACAGAGTGGGGCTGTGGATCGAGTGTACAAGTAGGGTTCCACCT
GAGTGGGAATATTCGAGAAGTTGGGGGCCAGGAGAGCCAGAGCATCTCTACCACGTCTCCATCAGCTTT
GACCGCTGCAAGATCACATCTGTGAGCTGTGGCTGCGACAATCGGGACCTCTTCTACTGTGCCACGTGG
TGGCGCTGTATTGTACCGCATCCGTATGCTCGCCAGGTGGAGCTGCGGCTGCCATCTCTGAGACTCT
GTCACAAATGAACCGGGATCAGCTTCAGAAGTTTGTGAGTATCTCATCAGTGCACACCACACTGAGGTG
CTGCCTACCGCCCAACGTCTTGCTGACGAGATCCTCTGCTGGGCTCTGAGATCAACCTGGTTTATGGTG
CCCCAGATCCACAGCGGTGCAGGCACAGAAGATGCCAACTGTTGGCATCTGGATGAGGAGCAGATCCA
AGAGCAGGTGAAACAGCTGCTGTCCAATGGTGGCCACTATGGGGCAGCCAGCAGCTGCGCTCCATGTTT
AGCAAGGTGCGGGAGATGCTTCGAGCAGCGGACTCCAATGGGGCAGCATGCTAATCCTCATGACTGAGC
AGTTCTTGACGAGACCCTCGCTTGCCCTGTGGCGCAGCAAGGTGCTGGCATGACAGACAAGTGCCGGCA
GCTGTGGGATGAGCTGGGGCTTTGTGGGTCTGTGTATTTTGTAGCCACACTGCAAACAGATGAGCGG
TCGGGATGGCTGCAGTACTTGGACATGGGACAAGCTAGATGTGTGCCACTGGAAGAAGGCAACTATT
CCTTGGACATCCCGAGCTACAGCTGTCTAACCCTCCAGGACAGGCTCAGAGGATGAAGAAGAGGTGAC
AGCCGCCAGCCCCGAGGACAGTTTTCAGCCGAGCACTGCAGGCTGGAGAGTTGCACTGGAATGACAGC
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CAACCTTTGACCCTCAGGGCCACCCATCTGGCTGGGCGAACCTTTCCTACTGCCTGTGCACGGGTGGA
TACTTTGCGGGCCATGTTATCCCCACAAGGCTGTGCGGCTGGCGTGTGCCATAATCAACACCCTGCGC



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CTGCAGAGGCGACACCAGCTTGAGAGCTACAAGCAGCAGAAAAAGAACTGCTCCAGAAAGGTGCTACTG
GTGTCAACAAGCACTGAAGGTTGGGTGGGCCATCCCCTGGATCCCATTGGCTGCCTCTGCAGGGCACTGCT
GGAGGCCGTGTCGCTGGAGGAGGAGCCTCACTCTTTTCCCAGACTCAGCCCCAGAGAAGCGAAAGCTG
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ATCATCCGAAGCATCCACTGTGCACCCATGCTCTCAGACATCCTGCGACGCTGGACACTCTCAGCACCCG
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TCTGGATGCCGAGTAGCCGCTACATAACCAAGCAGCCACTCTCGCTCACCCACATTAGCCACGCCAC
TATGGTGAATTCATTGAGTTCCTGGGCAAAGCTCGAGAGACCTTCTTCTGGCACCAGACGGGACCTCC
AGTTTCGCACAGTTCTTAGAAAACCTGAAACAGAGCTACAAGGAAAGAAGAAGTTGATGCTGTTGGTTGC
GGAACGGTTTGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211636 protein sequence
Red=Cloning site Green=Tags(s)

MEPPAAKRSRGCAPGDEPGTGARRSRPEPLLDLSAKRVAESWAFEQVEERFSRVPEPVQKRIVFWSFPRS
EREICMYSSLGYQPPEGEQDTRVPFTRGLHLLQSGAVDRVLQVGFHLSGNIREVGGPGEPEHLYHVSISF
DRCKITSVSCGCDNRDLFYCAHVVALSLYRIRHARQVELRLPISETLSQMNRDQLQKFVQYLISAHHTVEV
LPTAQLADEIILLGSEINLVHGAPDPTAGAGTEDANCWHLDEEQIQEQVKQLLSNGGHYGASQQLRSMF
SKVREMLRARDSNGARMLILMTEQFLQDPRLALWRQAGMTDKCRQLWDEL GALWVCVILSPHCKPDER
SGWLQLLGTWDLKDVCPLEEGNYSLDIPSLQPALTSRTGSEDEEEVTAASPRRTVFSRALQAGELHWNS
HLQRILASDSCGPTLTGSMGSDKPTFDPOGHPIWLGEFPPTACARVDTLRAHGYPHKALRLACAIINTLR
LQRRHQLESYKQKKELLQKGATGVTSTEGWVGHPLDPIGCLCRALLEACRLEEEPHSLFPDPAPEKRL
AYQHVLVPGSPGESYLALALEVALLGLGQQRALPEGLYAQDKVVRNEEQLLALLEEVELDERLVQVLRKQ
AGLLLEGGPFSGFGEVIFRESVPMHTCARYLFTALLPHDPDLAFRLALRAMRLPVLETTFPAGESHPNPL
DSIMSNRFPRWFLGHLETRQCELASTMLTAAKGDTKWLHAVLGSVQQNIHSPALLFKLAQDACKTATPA
SAPPDVTLLGIALELGLQVMRMTLNTMTWRRREVMRWLVSCATEIGPPALMSIMKNWYSLFTPVEAVTIV
AVTGTTHATLLRLQDLAGREELWACARTLALQCAMKDPQNCALPALTLCEKNHAAFEAAAYQIVLDAAG
GLGHAHLFTVARYMEHRGLPLRAYKLATLALQLSIAFNQDHPAVNDVLWACSLSHSLGRHLSAIVPL
IIRSIHCAPMLSDILRRWTLAPGLGPLGARRATKPLGTDRAPLCQLLDAVAAYITTSRSLTHISPRH
YGFDFIEFLGKARETFLLAPDGLHQAQFLENLKQTYKGKKMLLVREERFG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172503

ORF Size: 3303 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_172503.2](#)

RefSeq Size: 4348 bp

RefSeq ORF: 3306 bp

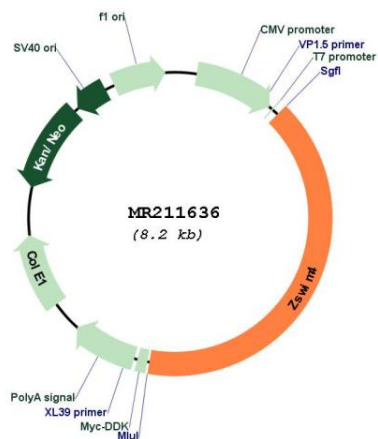
Locus ID: 212168

UniProt ID: [Q8C7B8](#)

Cytogenetics: 8 C2

MW: 122.4 kDa

Product images:



Circular map for MR211636