

Product datasheet for MR217264

Shisa4 (NM_175259) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Shisa4 (NM_175259) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Shisa4
Synonyms: 9330132O05Rik; mShisa4; Tmem58
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR217264 representing NM_175259
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGCCCGGGGGCCCGGGGACCGCGCCGCTCGCAGCCGTCGTCCTGCTGGTCTGGGGCTCCTC
 TGGCGCTGGCGAGTGAGGACTGCTTGTGGTATCTGGACCGAATGGCTCCTGGCATCCGGGATTTGACTG
 CGATTTCTCACCTTCTGCTGCGGGACCTGCTACCAGCGTACTGCTGCAGGGACCTGACCTTACTC
 ACCGAGAGACAGCAGAACTGCTGCGCTTCCAGTCCCAAGACCATAGCAGGCATCGCCTCTGCTGTA
 TCCTCTTTGTTGCTGTGGTTGCCACCACCATCTGCTGCTTCTCTGTTCTGTTGTACCTATACCGAAG
 GCGCCAGCAGCTCCAGAGCAGTTTGAAGGCCAGGAGATTCTATGACAGGCATCCCAATGCAGCCAGTA
 TACCAGTACCCCCGGATCCCAAAGCTGGCCCTGCACCTCCACAGCCTGGTTTCATGTACCCACCTAGCG
 GCCCTGCTCCTCAGTATCCCCTCTACCCAGCTGGGCCCAATCTACAACCCTGCAGCTCCTCCGCTTA
 TATGCCACCACAGCCCTTATCCAGGAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217264 representing NM_175259
 Red=Cloning site Green=Tags(s)

MPPAGPRGTAPLAAVVLLVLGAPLALASEDCLWYLDNRNGSWHPGFDFEFFFCGCTCYQRYCCRDLLLI
 TERQKHCLAFSPKTIAGIASAVILFVAVVATTICFLCSCCYLYRRRQQLQSTFEGQEIPMTGIPMQPV
 YQYPPDPKAGAPPQPGFMYPPSGPAPQYPLYPAGPPIYNPAAPPYMPQPSYPGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/ja1840_h02.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_175259

ORF Size: 591 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_175259.4](#), [NP_780468.1](#)

RefSeq Size: 1190 bp

RefSeq ORF: 594 bp

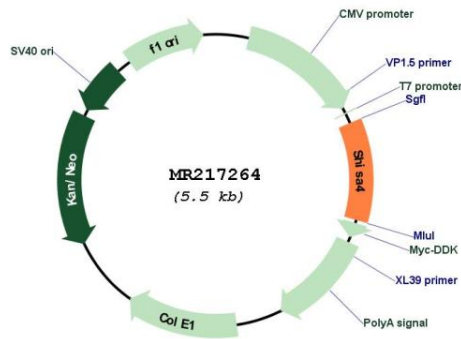
Locus ID: 77552

UniProt ID: [Q8CA71](#)

Cytogenetics: 1 E4

MW: 21.9 kDa

Product images:



Circular map for MR217264