

Product datasheet for MR216748

Shisa3 (NM_001033415) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Shisa3 (NM_001033415) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Shisa3
Synonyms: D830007B15Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216748 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGCGCTGCTGGCGTTCTGTCTGCTCGTGGGCTTGCTACGTTGGGGCCCGGCGGGCGCGCAGCAGC
CTGGGGAATACTGCCACGGCTGGGTGGACGCGCAGGGCAACTATCACGAGGGTTCCAGTGCCCGAGGA
CTTCGACACGCAGGACGCCACCATCTGCTGCGGCTCGTGTGCGCTGCGCTACTGCTGCGCGCAGCCGAC
GCCAGGTTGGAGCAGGGGGCTGCACCAACGACCGGGAGAGCTGGAGCATCCTGGCATCACCGCGCAAC
CTGTCTATGTCCCCTTCTGATCGTGGCTCCATCTTCATCGCCTTCATATTTGGGCTCTTTAGTGGC
TATCTATTGTTGCACCTGTTGAGACCCAAGGAGCCCTCTCAGCAGCCATCCGCTTCTCGCTCCGAAGC
TATCAGACAGAGACCTTGCCCATGATCCTCACCTCCACCAGCCTCAGAGCAGCTTCCAGGAGTCCAGCA
CCGCTACCAGCTCCAGCTCCACGGGAGGATCTGTGCGGAGGTTCTCCTTTGCCAGGGCTGAGCCAAGCTG
CCTGGTGCCCTCATCACCCACCTTACACCACTGGTCACACCATACACCTAACCCAACCGTCCGGTTTC
CTGGTATCACCCAGTATTTGCATACCCTCTCCAGCAGGAGCCCCATTACCTGGGAAGAGCTGTCCAG
ATTCAGTTCCAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216748 protein sequence
 Red=Cloning site Green=Tags(s)

MGALLAFCLLVGLLRWGPAGAQQPGEYCHGWVDAQGNYHEGFQCPEDFDTQDATICCGSCALRYCCAAAD
 ARLEQGGCTNDRGELEHPGITAQPVYVFLIVGSIFIAFIIILGSLVAIYCCTCLRPKEPSQQPIRFSLRS
 YQTETLPMILTSTSLRAASRQSSTATSSSSTGGSVRRFSFARAEPSCLVPSSPPPYTTGHTIHLTQPSGF
 LVSPQYFAYPLQQEPPLPGKSCPDFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001033415

ORF Size: 717 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_001033415.3](#), [NP_001028587.1](#)

RefSeq Size: 3754 bp

RefSeq ORF: 717 bp

Locus ID: 330096

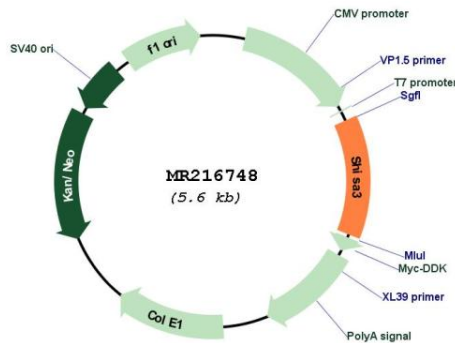
UniProt ID: [Q3UPR0](#)

Cytogenetics: 5 C3.1

MW: 25.6 kDa

Gene Summary: Plays an essential role in the maturation of presomitic mesoderm cells by individual attenuation of both FGF and WNT signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216748