

Product datasheet for **MR221788**

S100a14 (NM_001163526) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: S100a14 (NM_001163526) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: S100a14

Synonyms: 1110013O05Rik; S100a15; S114

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR221788 representing NM_001163526
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACAGTGTCTCGGTCAGCCAATGCTGAGAGCAACTGTGGGTTAGAAGAGAAAATTGCCAACCTGGGCA
ACTGTAATGACTCGAACTGGAGTTTGAAGCTTCTGGGAGTTGATTGGAGAAGCAGCCAAGAGTGTGAA
GATGGAGAGGCCTGTTACTCGGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221788 representing NM_001163526
Red=Cloning site Green=Tags(s)

MGQCRSANAESNCGLEEKIANLGNCSKLEFGSFWELIGEAASVKMERPVTRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9042_b11.zip

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_001163526

ORF Size: 165 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_001163526.2](#), [NP_001156998.1](#)

RefSeq Size: 933 bp

RefSeq ORF: 168 bp

Locus ID: 66166

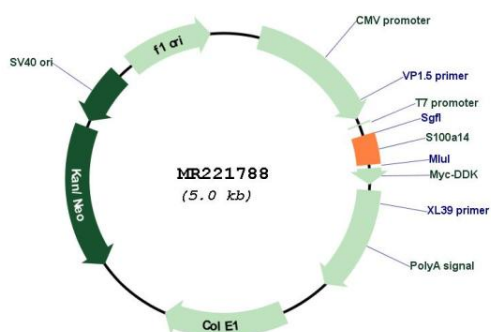
UniProt ID: [Q9D2Q8](#)

Cytogenetics: 3 F1

MW: 6.5 kDa

Gene Summary: Modulates P53/TP53 protein levels, and thereby plays a role in the regulation of cell survival and apoptosis. Depending on the context, it can promote cell proliferation or apoptosis. Plays a role in the regulation of cell migration by modulating the levels of MMP2, a matrix protease that is under transcriptional control of P53/TP53. Does not bind calcium (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221788