

Product datasheet for **MC210291**

S100a14 (NM_001163526) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: S100a14 (NM_001163526) Mouse Untagged Clone
Tag: Tag Free
Symbol: S100a14
Synonyms: 1110013O05Rik; S100a15; S114
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC210291 representing NM_001163526
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACAGTGTTCGGTCAGCCAATGCTGAGAGCAACTGTGGTTAGAAGAGAAAATTGCCAACCTGGGCA
ACTGTAATGACTCGAACTGGAGTTTGGAACTTCTGGGAGTTGATTGGAGAAGCAGCCAAGAGTGTGAA
GATGGAGAGGCCTGTTACTCGGAGCTGA

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001163526
Insert Size: 168 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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

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]

Transcript Variant: This variant (3) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a. Isoform b is only 55 aa long, so its biological validity is uncertain.