

Product datasheet for **MG221786**

S100a14 (NM_025393) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: S100a14 (NM_025393) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: S100a14
Synonyms: 1110013O05Rik; S100a15; S114
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG221786 representing NM_025393
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACAGTGTCTCGGTCAGCCAATGCTGAGGATGCCCAAGAATTCAGTGATGTAGAGAGGGCCATTGAGA
CACTCATCAAGAACTTCCATAAACTCTGTGGCGGGTAAAAAGGAAACTGACCCCTGCTGAGCTTCG
AGACCTGGTTACCCAGCAGCTGCCACACCTCATGCCGAGCAACTGTGGGTTAGAAGAGAAAATTGCCAAC
CTGGGCAACTGTAATGACTCGAACTGGAGTTTGAAGCTTCTGGGAGTTGATTGGAGAAGCAGCCAAGA
GTGTGAAGATGGAGAGGCTGTTACTCGGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG221786 representing NM_025393
Red=Cloning site Green=Tags(s)
MGQCRSANAEDAQEFSDVERAIETLIKFNHFKYSVAGKKETLTPAELRDLVTQQLPHLMPSNCGLEEKIAN
LGNCNDSKLEFGSFWELIGEAAKSVKMERPVTRS

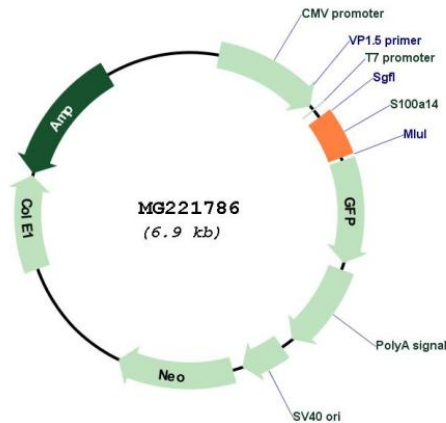
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_025393

ORF Size: 312 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:	<ol style="list-style-type: none">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:	<u>NM_025393.4</u> , <u>NP_079669.2</u>
RefSeq Size:	1080 bp
RefSeq ORF:	315 bp
Locus ID:	66166
UniProt ID:	<u>Q9D2Q8</u>
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]