

Product datasheet for **MG223131**

Sap30l (NM_001081168) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sap30l (NM_001081168) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Sap30l
Synonyms: 2310079P12Rik; AF006998; L55
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223131 representing NM_001081168
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACGGCTTCAGCACAGAGGAGGACAGCCGCGAAGGGCCCCCTGCCGCCCGCCGCCCGCCCGGGCT
 ACGGCCAGAGCTGCTGCCTCATCGCGACGGCGAGCGCTGCGTCCGGCCCGGGCAACGCCTCCTTCAG
 CAAGAGGGTGCAGAAAAGCATCTCGCAGAAGAACTCAAGCTGGACATAGACAAGAGCGTAAGGCACCTG
 TATATCTGCGACTTCCACAAAAATTTTCATCCAGAGCGTCCGAAATAAAAGGAAGAGGAAGGCAAGTGACG
 ATGGCGGAGACTCCCCGAGCAGATGCCGACATCCCTGAGGTTGATCTGTTCCAGCTGCAGGTGAACAC
 GCTCCGACGTTACAAACGGCACTATAAGCTGCAGACCAGACCAGGCTTCAACAAGGCCAGCTAGCAGAG
 ACTGTGAGCCGACACTTCAGGAACATACCAAGTGAATGAGAAAGAGACGCTTGCCTATTTTCATCTACATGG
 TGAAGAGTAACAGGAGCAGACTGGACCAGAAGTCAGAGGGCAGCAAGCAGCTTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223131 representing NM_001081168
 Red=Cloning site Green=Tags(s)

MNGFSTEEDSREGPPAAPAAAPGYQSCCLIADGERCVRPAGNASFSKRVQKSIQKLLKLDIDKSVRHL
 YICDFHKNFIQSVRNKRKRKASDDGGDSPEHDADIPEVDLFLQLQVNTLRRYKRHYKLQTRPGFNKAQLAE
 TVSRHFRNIPVNEKETLAYFIYMKSNRSRLDQKSEGSQKLE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

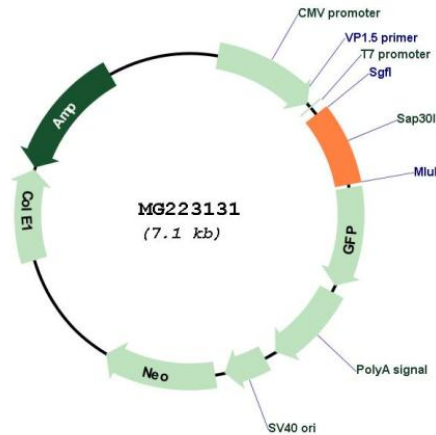


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001081168

ORF Size: 546 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_001081168.1, NP_001074637.1</u>
RefSeq Size:	1549 bp
RefSeq ORF:	549 bp
Locus ID:	50724
UniProt ID:	<u>Q5SQF8</u>
Cytogenetics:	11 B1.3
Gene Summary:	Functions as transcription repressor, probably via its interaction with histone deacetylase complexes. Involved in the functional recruitment of the class 1 Sin3-histone deacetylase complex (HDAC) to the nucleolus. Binds DNA, apparently without sequence-specificity, and bends bound double-stranded DNA. Binds phosphoinositol phosphates (phosphoinositol 3-phosphate, phosphoinositol 4-phosphate and phosphoinositol 5-phosphate) via the same basic sequence motif that mediates DNA binding and nuclear import.[UniProtKB/Swiss-Prot Function]