

Product datasheet for MR223131

Sap30l (NM_001081168) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sap30l (NM_001081168) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sap30l
Synonyms: 2310079P12Rik; AF006998; L55
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR223131 representing NM_001081168
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGGCTTCAGCACAGAGGAGGACAGCCGCGAAGGGCCCCCTGCCGCCCGCCGCCCGCCGGGCT
ACGGCCAGAGCTGCTGCCTCATCGCGGACGGCGAGCGCTGCGTCCGGCCCGGGCAACGCCTCCTTCAG
CAAGAGGGTGCAGAAAAGCATCTCGCAGAAGAACTCAAGCTGGACATAGACAAGAGCGTAAGGCACCTG
TATATCTGCGACTTCCACAAAAATTCATCCAGAGCGTCCGAAATAAAAGGAAGAGGAAGGCAAGTGACG
ATGGCGGAGACTCCCCGAGCACGATGCCGACATCCCTGAGGTTGATCTGTTCCAGCTGCAGGTGAACAC
GCTCCGACGTTACAAACGGCACTATAAGCTGCAGACCAGACCAGGCTTCAACAAGGCCAGCTAGCAGAG
ACTGTGAGCCGACACTTCAGGAACATACCAGTGAATGAGAAAGAGACGCTTGCCTATTTTCATCTACATGG
TGAAGAGTAACAGGAGCAGACTGGACCAGAAGTCAGAGGGCAGCAAGCAGCTTGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/mm9050_g12.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:



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:

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_001081168.1](#), [NP_001074637.1](#)

RefSeq Size: 1549 bp

RefSeq ORF: 549 bp

Locus ID: 50724

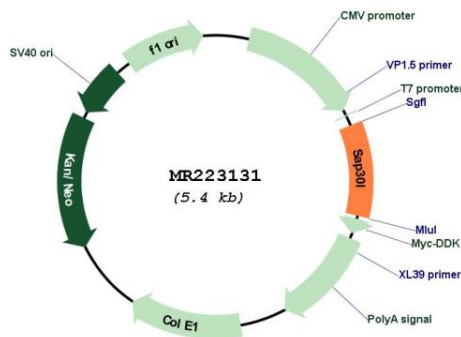
UniProt ID: [Q5SQF8](#)

Cytogenetics: 11 B1.3

MW: 21.2 kDa

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]

Product images:



Circular map for MR223131