

## Product datasheet for MR201420

### Sat2 (NM\_026991) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sat2 (NM\_026991) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Sat2  
**Synonyms:** 2610016A03Rik; SSAT-2; SSAT2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201420 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTCCACGCAATCCGAGAGGCCAGGGAGAGCGATTGTGGAGACATTATGAGGATGATCCGGGAAC  
 TGGCAGAGTTCGAGAACTGTCCATCAGGTGAAGATCAGTGAAGAAGCTCTGCGAGCAGATGGCTTTGG  
 AGAGAACCCTTTCTTCACTGTTTGGTGGCAGAGATTATCCAGCACCTGGGGAGTCACAAGGGTCCCTT  
 GTGGTGGCTATGGCTGTACTACTTCATCTATAGCACATGGACCGGACGAAACGTTTATCTGGAAGACA  
 TCTATGTGATGCCGAATATCGGGTCAAGGGATTGGTACAAAATAATCAAAAAGTGGCTGAGGTTGC  
 CCTGAATAAGGGTTGCTCCAGTTCGCTGGCAGTTCTGGATTGGAACAAGAAGCCGTGAACCTGTAC  
 AAATTTCTAGGGCTCAAGATCTGACTGAATCGGAAGGCTGGCTCTCTTTTCGATTTGAAGGCGAGGCAA  
 TGAGGGAGTTGGCAGGACGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201420 protein sequence  
 Red=Cloning site Green=Tags(s)

MASTRIREARESDCGDIMRMIRELAEFEKLSHQVKISEEALRADGFGENPFFHCLVAEIIIPAGESQGS  
 VVGYGLYYFIYSTWTGRNVYLEDIYVMPYRGGIGTKIIKKVAEVALNKGSQFRLAVLDWNKAVNLY  
 KFLGAQDLTESEGLSFRFEGEAMRELAGR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



Cloning Scheme:



ACCN: NM\_026991

ORF Size: 513 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\\_026991.3](#)

RefSeq Size: 912 bp

RefSeq ORF: 513 bp

Locus ID: 69215

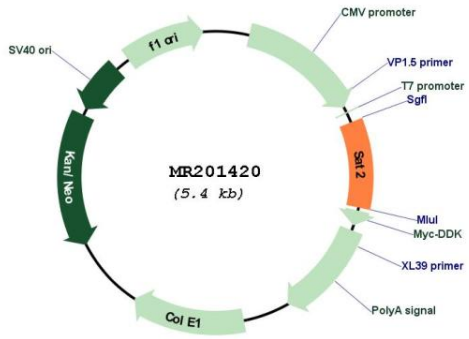
UniProt ID: [Q6P8J2](#)

Cytogenetics: 11 B3

MW: 19.3 kDa

Gene Summary: Enzyme which catalyzes the acetylation of polyamines. Substrate specificity: norspermidine > spermidine = spermine >> N(1)acetylspermine = putrescine (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201420