

Product datasheet for **MC210281**

Bud23 (NM_025375) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bud23 (NM_025375) Mouse Untagged Clone
Tag: Tag Free
Symbol: Bud23
Synonyms: 1110003N24Rik; Wbscr22
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210281 representing NM_025375
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCATCTCGTAGCCGGAGACCCGAACACAGCGGACCGCCGGAGCTGTTTTATGACCAGAATGAAGCCC
GGAAATACGTTTCGCAACTCACGGATGATTGACATCCAGACCAAGATGACTGAGCGAGCGCTGGAGCTCCT
CTGTTTACCAGAGGGTCAGCCTTCTTACCTGTTAGACATTGGCTGCGGTTCTGGGCTGAGTGGAGATTAT
ATCTCAGAAGAGGGGACACTACTGGTGGCATTGACATCAGCCCTGCCATGTTGGATGCCGCTTGGACC
GAGATACAGAGGGGACCTGCTGCTAGGGGACATGGGCCAGGGCGTCCCTTTAGACCGGGCTCTTTTGA
TGGCTGCATCAGCATCTCTGCTGTGCAGTGGCTCTGCAACGCCAACAAGAAGTCGGACGTCCTGCCAGG
CGCCTGTACTGCTTCTTTTCTTCTTGTACTCTGCCCTTGTCCGTGGGGCCCGAGCTGTCTGCAGCTGT
ACCCTGAGAACTCGGAGCAGCTGGAGCTGATCACAACCCAGGCCACGAGGGCAGGCTTCACTGGCGGCGT
GGTGGTAGACTTCCCAACAGTGCCAAAGCAAAGAAGTTCTACCTCTGTCTGTTTTCTGGGCTTCCACC
TCCCTGCCAAAGGGGCTGACTGAAAGTCAGGATGCAGACCAGGCCTCCGAGTCCATGTTCCACAGTGAGC
GGGCCCCACACAAGAAGGCACGGAGGGACCTGGTGAAGAAGAGCCGGAATGGGTCTAGAGAAGAAGGA
GAGGCGCAGGCGCCAGGGCAAGGAGTACAGCTGACACCCAGTACACCGGCCGAAAGCGCAAGCCCCGC
TTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_025375
Insert Size: 846 bp



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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:	<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_025375.3</u> , <u>NP_079651.2</u>
RefSeq Size:	1531 bp
RefSeq ORF:	846 bp
Locus ID:	66138
UniProt ID:	<u>Q9CY21</u>
Cytogenetics:	5 G2
Gene Summary:	<p>S-adenosyl-L-methionine-dependent methyltransferase that specifically methylates the N(7) position of a guanine in 18S rRNA. Requires the methyltransferase adapter protein TRM112 for full rRNA methyltransferase activity. Involved in the pre-rRNA processing steps leading to small-subunit rRNA production independently of its RNA-modifying catalytic activity. Important for biogenesis end export of the 40S ribosomal subunit independent on its methyltransferase activity. Locus-specific steroid receptor coactivator. Potentiates transactivation by glucocorticoid (NR3C1), mineralocorticoid (NR3C2), androgen (AR) and progesterone (PGR) receptors. Required for the maintenance of open chromatin at the TSC22D3/GILZ locus to facilitate NR3C1 loading on the response elements. Required for maintenance of dimethylation on histone H3 'Lys-79' (H3K79me2), although direct histone methyltransferase activity is not observed in vitro.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>