

Product datasheet for MR212791

Bud23 (NM_025375) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bud23 (NM_025375) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bud23
Synonyms:	1110003N24Rik; Wbscr22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212791 representing NM_025375 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCTCGTAGCCGGAGACCCGAACACAGCGGACCGCCGGAGCTGTTTTATGACCAGAATGAAGCCC
GGAAATACGTTTCGCAACTCACGGATGATTGACATCCAGACCAAGATGACTGAGCGAGCGCTGGAGCTCCT
CTGTTTACCAGAGGGTCAGCCTTCTTACCTGTTAGACATTGGCTGCGGTTCTGGGCTGAGTGGAGATTAT
ATCTCAGAAGAGGGACACTACTGGTGGGCATTGACATCAGCCCTGCCATGTTGGATGCCGCTTGGACC
GAGATACAGAGGGGACCTGCTGCTAGGGGACATGGGCCAGGGCGTCCCTTTCAGACCGGGCTCTTTTGA
TGGCTGCATCAGCATCTCTGCTGTGCAAGTGGCTCTGCAACGCCAACAAGAAGTCGGACGTCCTGCCAGG
CGCCTGTACTGCTTCTTTCTTCTTGTACTCTGCCCTTGTCCGTGGGGCCCGAGCTGTCTGCAGCTGT
ACCCTGAGAACTCGGAGCAGCTGGAGCTGATCACAACCCAGGCCACGAGGGCAGGCTTCACTGGCGGCGT
GGTGGTAGACTTCCCAACAGTGCCAAAGCAAAGAAGTTCTACCTCTGTCTGTTTTCTGGGCCTTCCACC
TCCCTGCCAAAGGGGCTGACTGAAAGTCAGGATGCAGACCAGGCCTCCGAGTCCATGTTCCACAGTGAGC
GGGCCCAACACAAGAAGGCACGGAGGGACCTGGTGAAGAAGAGCCGGGAATGGGTCTAGAGAAGAAGGA
GAGGCGCAGGCGCCAGGGCAAGGAGTTCAGACCTGACACCCAGTACACCGGCCGAAAGCGCAAGCCCCGC
TTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_025375.4](#)

RefSeq Size: 1531 bp

RefSeq ORF: 846 bp

Locus ID: 66138

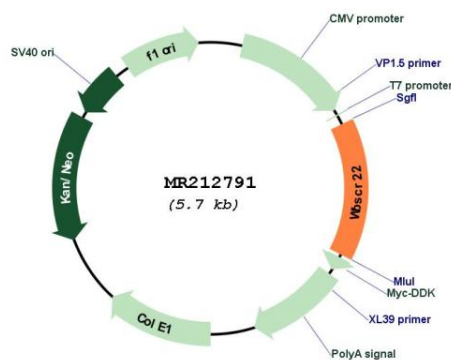
UniProt ID: [Q9CY21](#)

Cytogenetics: 5 G2

MW: 31.6 kDa

Gene Summary: 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 and 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]

Product images:



Circular map for MR212791