

Product datasheet for **MR212791L3V**

Wbscr22 (Bud23) (NM_025375) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Wbscr22 (Bud23) (NM_025375) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Bud23
Synonyms:	1110003N24Rik; Wbscr22
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_025375
ORF Size:	843 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR212791).
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.
RefSeq:	NM_025375.3
RefSeq Size:	1531 bp
RefSeq ORF:	846 bp
Locus ID:	66138
UniProt ID:	Q9CY21
Cytogenetics:	5 G2



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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 of 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]