

Product datasheet for **MR213663L4V**

Zbtb4 (NM_029348) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Zbtb4 (NM_029348) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Zbtb4
Synonyms:	2310026P19Rik; 9230111I22Rik; mKIAA1538
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_029348
ORF Size:	2946 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR213663).
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_029348.2 , NP_083624.2
RefSeq Size:	7824 bp
RefSeq ORF:	2949 bp
Locus ID:	75580
UniProt ID:	Q5F293
Cytogenetics:	11 B3



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Gene Summary:

Transcriptional repressor with bimodal DNA-binding specificity. Represses transcription in a methyl-CpG-dependent manner. Binds with a higher affinity to methylated CpG dinucleotides in the consensus sequence 5'-CGCG-3' but can also bind to the non-methylated consensus sequence 5'-CTGCNA-3' also known as the consensus kaiso binding site (KBS). Can also bind specifically to a single methyl-CpG pair and can bind hemimethylated DNA but with a lower affinity compared to methylated DNA. Plays a role in postnatal myogenesis, may be involved in the regulation of satellite cells self-renewal (PubMed:27446912).[UniProtKB/Swiss-Prot Function]