Product datasheet for RC208138L3V

ZBTB4 (NM_020899) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ZBTB4 (NM_020899) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ZBTB4
Synonyms:	KAISO-L1; ZNF903
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_020899
ORF Size:	3039 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208138).
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_020899.2, NP_065950.1
RefSeq Size:	5961 bp
RefSeq ORF:	3042 bp
Locus ID:	57659
UniProt ID:	Q9P1Z0
Cytogenetics:	17p13.1
MW:	105.1 kDa

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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 (PubMed:16354688). Plays a role in postnatal myogenesis, may be involved in the regulation of satellite cells self-renewal (By similarity). [UniProtKB/Swiss-Prot Function]