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Product datasheet for RC201683L3V

TFB2M (NM_022366) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TFB2M (NM_022366) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TFB2M
Synonyms:	Hkp1; mtTFB2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_022366
ORF Size:	1188 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201683).
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_022366.1
RefSeq Size:	1799 bp
RefSeq ORF:	1191 bp
Locus ID:	64216
UniProt ID:	Q9H5Q4
Cytogenetics:	1q44
Domains:	rADc
Protein Families:	Transcription Factors

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MW: 45.3 kDa

Gene Summary: S-adenosyl-L-methionine-dependent methyltransferase which specifically dimethylates mitochondrial 12S rRNA at the conserved stem loop. Also required for basal transcription of mitochondrial DNA, probably via its interaction with POLRMT and TFAM. Stimulates transcription independently of the methyltransferase activity. Compared to TFB1M, it activates transcription of mitochondrial DNA more efficiently, while it has less methyltransferase activity.[UniProtKB/Swiss-Prot Function]