

Product datasheet for **MR203015L3V**

Tfam (NM_009360) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tfam (NM_009360) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tfam
Synonyms:	AI661103; Hmgt5; mtTFA; tsHMG
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_009360
ORF Size:	729 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR203015).
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_009360.2
RefSeq Size:	3920 bp
RefSeq ORF:	732 bp
Locus ID:	21780
UniProt ID:	P40630
Cytogenetics:	10 36.83 cM



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Gene Summary:

Isoform Mitochondrial binds to the mitochondrial light strand promoter and functions in mitochondrial transcription regulation. Required for accurate and efficient promoter recognition by the mitochondrial RNA polymerase. Promotes transcription initiation from the HSP1 and the light strand promoter by binding immediately upstream of transcriptional start sites. Is able to unwind DNA. Bends the mitochondrial light strand promoter DNA into a U-turn shape via its HMG boxes. Required for maintenance of normal levels of mitochondrial DNA. May play a role in organizing and compacting mitochondrial DNA. Isoform Nuclear may also function as a transcriptional activator or may have a structural role in the compaction of nuclear DNA during spermatogenesis.[UniProtKB/Swiss-Prot Function]