

Product datasheet for **MR210263L4V**

Tlk1 (NM_172664) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tlk1 (NM_172664) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tlk1
Synonyms:	4930545J15Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172664
ORF Size:	2298 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210263).
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_172664.3 , NP_766252.2
RefSeq Size:	4050 bp
RefSeq ORF:	2301 bp
Locus ID:	228012
UniProt ID:	Q8C0V0
Cytogenetics:	2 C2



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Gene Summary:

Rapidly and transiently inhibited by phosphorylation following the generation of DNA double-stranded breaks during S-phase. This is cell cycle checkpoint and ATM-pathway dependent and appears to regulate processes involved in chromatin assembly (By similarity). Isoform 3 protects the cells from the ionizing radiation by facilitating the repair of DSBs. In vitro, phosphorylates histone H3 at 'Ser-10' (By similarity).[UniProtKB/Swiss-Prot Function]