

## Product datasheet for **MR217932L4V**

### Elf4 (NM\_019680) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Elf4 (NM_019680) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Elf4
Synonyms:	AV314029; BC042423; ENSMUSG00000053512; Gm9907; Mef
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019680
ORF Size:	1965 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR217932).
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. <a href="#">More info</a>
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:	<a href="#">NM_019680.2</a>
RefSeq Size:	5847 bp
RefSeq ORF:	1968 bp
Locus ID:	56501
UniProt ID:	<a href="#">Q9Z2U4</a>
Cytogenetics:	X A5



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**Gene Summary:**

Transcriptional activator that binds to DNA sequences containing the consensus 5'-WGGA-3'. Transactivates promoters of the hematopoietic growth factor genes CSF2, IL3, IL8, and of LYZ. Acts synergistically with RUNX1 to transactivate the IL3 promoter (By similarity). Also transactivates the PRF1 promoter in natural killer (NK) cells. Plays a role in the development and function of NK and NK T-cells and in innate immunity. Controls the proliferation and homing of CD8+ T-cells via the Kruppel-like factors KLF4 and KLF2. Controls cell senescence in a p53-dependent manner. Can also promote cellular transformation through inhibition of the p16 pathway.[UniProtKB/Swiss-Prot Function]