

## Product datasheet for **MR22575L4V**

### Elk4 (NM\_007923) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Elk4 (NM_007923) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Elk4
Synonyms:	2310011G17Rik; A130026I01Rik; BB162516; SAP-1; Sap1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007923
ORF Size:	1293 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR22575).
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_007923.2</a>
RefSeq Size:	3671 bp
RefSeq ORF:	1293 bp
Locus ID:	13714
UniProt ID:	<a href="#">P41158</a>
Cytogenetics:	1 E4



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**Gene Summary:**

Involved in both transcriptional activation and repression. Interaction with SIRT7 leads to recruitment and stabilization of SIRT7 at promoters, followed by deacetylation of histone H3 at 'Lys-18' (H3K18Ac) and subsequent transcription repression. Forms a ternary complex with the serum response factor (SRF). Requires DNA-bound SRF for ternary complex formation and makes extensive DNA contacts to the 5' side of SRF, but does not bind DNA autonomously (By similarity).[UniProtKB/Swiss-Prot Function]