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Product datasheet for MR227483L3V

Sall4 (NM_175303) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sall4 (NM_175303) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Sall4
Synonyms:	5730441M18Rik; AA407717; AL022809; AW536104; C78083; C78563; C330011P20Rik; Tex20
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_175303
ORF Size:	3201 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR227483).`
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_175303.3, NP_780512.2
RefSeq Size:	5073 bp
RefSeq ORF:	3204 bp
Locus ID:	99377
UniProt ID:	Q8BX22
Cytogenetics:	2 88.99 cM

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Gene Summary: This gene belongs to the spalt family of zinc finger transcription factors. In mouse, functions for this gene have been described in many embryonic developmental processes, including brain, heart, and limb development. In addition, this gene is an important pluripotency factor that is required for stem cell maintenance. Homozygous mutant mice display embryonic lethality, while conditional knock-out in embryonic germ cells results in failure to establish a robust stem cell population. A pseudogene of this gene is found on chromosome 2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]