

Product datasheet for **MR225851L4V**

Wt1 (NM_144783) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Wt1 (NM_144783) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Wt1
Synonyms:	D630046119Rik; Wt-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_144783
ORF Size:	1646 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225851).
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_144783.2 , NP_659032.3
RefSeq Size:	3092 bp
RefSeq ORF:	1554 bp
Locus ID:	22431
Cytogenetics:	2 55.06 cM



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Gene Summary:

This gene encodes a transcription factor that contains four zinc-finger motifs at the C-terminus and a proline/glutamine-rich DNA-binding domain at the N-terminus. It plays an essential role in the normal development of the urogenital system, and the orthologous human gene is mutated in a small subset of patients with Wilm's tumors. Alternative splicing has been noted for this gene, however, the full-length nature of these variants is not known. The mRNA for this gene has been shown to initiate translation from non-AUG (CUG) and AUG translation start sites, resulting in different isoforms. [provided by RefSeq, Apr 2013]