

## Product datasheet for **MR226763L4V**

### Wnt4 (NM\_009523) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Wnt4 (NM_009523) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Wnt4
Synonyms:	Wnt-4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009523
ORF Size:	1055 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226763).
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_009523.1</a> , <a href="#">NP_033549.1</a>
RefSeq Size:	3823 bp
RefSeq ORF:	1056 bp
Locus ID:	22417
UniProt ID:	<a href="#">P22724</a>
Cytogenetics:	4 D3



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**Gene Summary:**

Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Plays an important role in the embryonic development of the urogenital tract and the lung (PubMed:7990960, PubMed:9989404, PubMed:16054034, PubMed:17537789, PubMed:19830824, PubMed:26321050). Required for normal mesenchyme to epithelium transition during embryonic kidney development (PubMed:7990960, PubMed:16054034, PubMed:17537789, PubMed:19830824). Required for the formation of early epithelial renal vesicles during kidney development (PubMed:16054034). Required for normal formation of the Mullerian duct in females, and normal levels of oocytes in the ovaries (PubMed:9989404, PubMed:19830824). Required for normal down-regulation of 3 beta-hydroxysteroid dehydrogenase in the ovary (PubMed:9989404). Required for normal lung development and for normal patterning of tracheal cartilage rings (PubMed:26321050).[UniProtKB/Swiss-Prot Function]