

## Product datasheet for **MR226910L4V**

### Tgfa (NM\_031199) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Tgfa (NM_031199) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tgfa
Synonyms:	wa-1; wa1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_031199
ORF Size:	477 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226910).
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_031199.3</a>
RefSeq Size:	4229 bp
RefSeq ORF:	480 bp
Locus ID:	21802
UniProt ID:	<a href="#">P48030</a>
Cytogenetics:	6 37.62 cM



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**Gene Summary:**

This gene encodes a member of the epidermal growth factor (EGF) family of proteins that regulate cellular proliferation. The encoded protein undergoes proteolytic processing to generate a soluble glycoprotein that is secreted by the cell. The secreted protein binds to the EGF receptors to initiate signaling events resulting in cellular proliferation, mucous production or inhibition of gastric acid secretion. The transgenic expression of the encoded protein in mice induces the development of cancers in various tissues such as liver, pancreas, skin and mammary glands. Mice lacking the encoded protein exhibit a wavy coat and curly whiskers phenotype as well as abnormalities in the eye. [provided by RefSeq, Sep 2015]