

## Product datasheet for **MR226535L4V**

### **Kiss1 (NM\_178260) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Kiss1 (NM_178260) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Kiss1
Synonyms:	kisspeptin; metastatin
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_178260
ORF Size:	378 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226535).
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_178260.3</a> , <a href="#">NP_839991.2</a>
RefSeq Size:	496 bp
RefSeq ORF:	381 bp
Locus ID:	280287
UniProt ID:	<a href="#">Q6Y4S4</a>
Cytogenetics:	1 E4



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**Gene Summary:**

Metastasis suppressor protein. May regulate events downstream of cell-matrix adhesion, perhaps involving cytoskeletal reorganization. Generates a C-terminally amidated peptide, metastin which functions as the endogenous ligand of the G-protein coupled receptor GPR54. Activation of the receptor inhibits cell proliferation and cell migration, key characteristics of tumor metastasis. The receptor is also essential for normal gonadotropin-released hormone physiology and for puberty. The hypothalamic KiSS1/GPR54 system is a pivotal factor in central regulation of the gonadotropic axis at puberty and in adulthood. Intracerebroventricular administration induces an increase in serum LH and FSH levels in prepubertal male and female as well as in adult animals.[UniProtKB/Swiss-Prot Function]