

## Product datasheet for **MR200191L4V**

### Spink2 (NM\_183284) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Spink2 (NM_183284) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Spink2
Synonyms:	1700007F22Rik; AV038945; HUSI-II
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_183284
ORF Size:	261 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200191).
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_183284.1</a> , <a href="#">NP_899107.1</a>
RefSeq Size:	631 bp
RefSeq ORF:	261 bp
Locus ID:	69982
UniProt ID:	<a href="#">Q8BMY7</a>
Cytogenetics:	5 C3.3



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**Gene Summary:**

As a strong inhibitor of acrosin, it is required for normal spermiogenesis. It probably hinders premature activation of proacrosin and other proteases, thus preventing the cascade of events leading to spermiogenesis defects (PubMed:21705336, PubMed:28554943). May be involved in the regulation of serine protease-dependent germ cell apoptosis (PubMed:21705336). It also inhibits trypsin (PubMed:21705336).[UniProtKB/Swiss-Prot Function]