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Product datasheet for MR200191

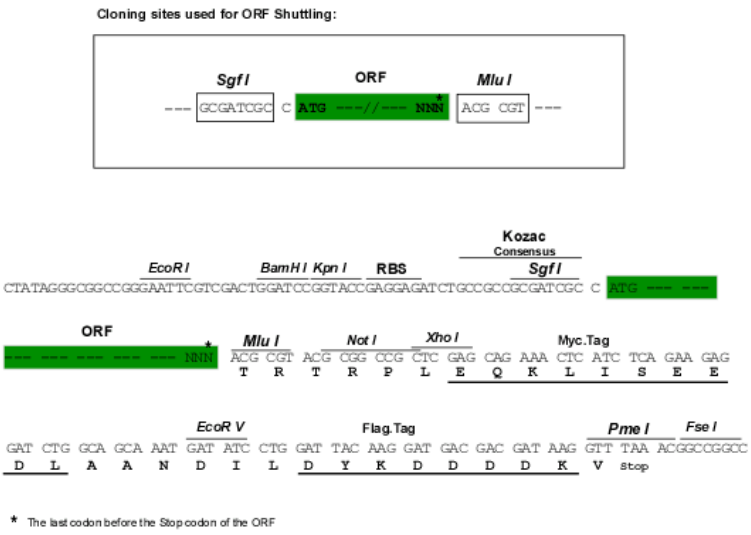
Spink2 (NM_183284) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spink2 (NM_183284) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spink2
Synonyms:	1700007F22Rik; AV038945; HUSI-II
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR200191 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCTGAGACTGGTGCTGTTGCTCCTGGTCACAGACTTTGCAGCCTCTCATGAGACTCTCGACTCTTCCG ATTCTCAAATCATGAAGAGGTCACAGTTCCGAACACCAGACTGTGGTCATTTTGACTTCCCAGCATGCCC TAGGAACCTCAACCCTGTGTGCGGAACGGATATGAACACTTACAGCAATGAATGTACCCTGTGCATGAAA ATCAGGGAGGACGGTAGCCATATTAATATCATCAAAGACGAGCCATGC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>MR200191 protein sequence Red=Cloning site Green=Tags(s) MLRLVLLLLVTDFAASHETLDSSDSQIMKRSQFRTPDCGHFDFPACPRNLNPVCGTDMNTYSNECTLCMK IREDGSHINIIKDEPC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI

View online »

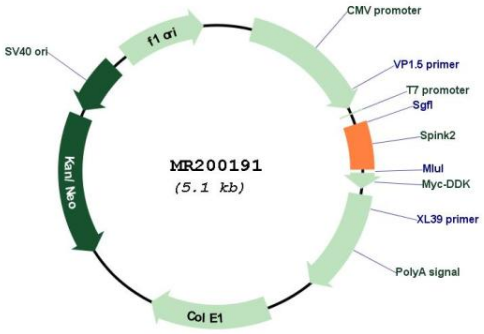
Cloning Scheme:



ACCN:	NM_183284
ORF Size:	261 bp
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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_183284.3, NP_899107.1
RefSeq Size:	631 bp
RefSeq ORF:	261 bp

Locus ID:	69982
UniProt ID:	Q8BMY7
Cytogenetics:	5 C3.3
MW:	9.7 kDa
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]

Product images:



Circular map for MR200191