

Product datasheet for **MG200191**

Spink2 (NM_183284) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spink2 (NM_183284) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Spink2
Synonyms: 1700007F22Rik; AV038945; HUSI-II
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200191 representing NM_183284
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGAGACTGGTGCTGTTGCTCCTGGTCACAGACTTTGCAGCCTCTCATGAGACTCTCGACTCTTCCG
ATTCTCAAATCATGAAGAGGTCACAGTCCGAACACCAGACTGTGGTCATTTTGACTTCCCAGCATGCC
TAGGAACCTCAACCCTGTGTGCGGAACGGATGAACACTTACAGCAATGAATGTACCCTGTGCATGAAA
ATCAGGGAGGACGGTAGCCATATTAATATCATCAAAGACGAGCCATGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200191 representing NM_183284
Red=Cloning site Green=Tags(s)
MLRLVLLLLVTDFAASHETLDSSDSQIMKRSQFRTPDCGHDFPACPRNLNPVCGTDMNTYSNECTLCMK
IREDGSHINIIKDEPC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:	<ol style="list-style-type: none">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:	613 bp
RefSeq ORF:	261 bp
Locus ID:	69982
UniProt ID:	Q8BMY7
Cytogenetics:	5 C3.3
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]