

Product datasheet for **RR210788**

Spink2 (NM_001008870) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Spink2 (NM_001008870) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Spink2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR210788 representing NM_001008870
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGAGACTGGTGCTGTTGCTCCTGGCCACAGACTTTGCAGCTTCTGATGACTCTCTGGACTCTTCCG
 ATTCTCAACTCATAAAGAGGTCACAATTCAGAACACCAGACTGTCATCGTTTGGACTACCCAGTATGCTC
 CAAGCACCTCAGCCCTGTGTGCGGAACGGATATGAACACTTATGGGAATGAATGCACTCTGTGCATGAAA
 ATCAGGGAGGATGGTAGCCATATTAACATCATCAAGGACGAGCCATGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210788 representing NM_001008870
 Red=Cloning site Green=Tags(s)

MLRLVLLLLATDFAASDDSLDSSDSQLIKRSQFRTPDCHRFDYPVCSKHLSPVCGTDMNTYGNECTLCKM
 IREDGSHINIIKDEPC

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

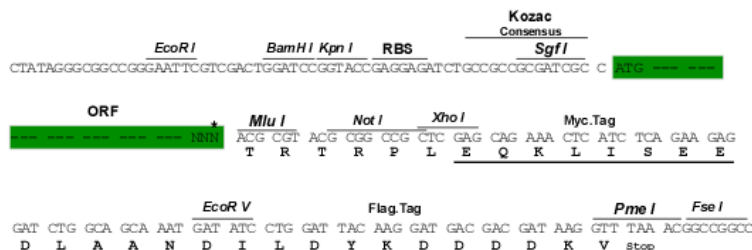
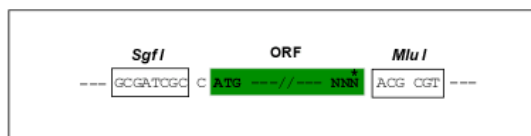
Restriction Sites: SgfI-MluI



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Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001008870

ORF Size: 258 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:

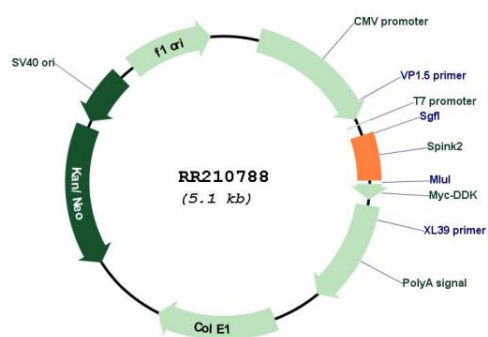
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001008870.2](#), [NP_001008870.1](#)

RefSeq Size: 512 bp

RefSeq ORF:	261 bp
Locus ID:	408234
UniProt ID:	Q6IE49
Cytogenetics:	14p11
MW:	9.7 kDa
Gene Summary:	predicted to act as a serine protease inhibitor [RGD, Feb 2006]

Product images:



Circular map for RR210788