

Product datasheet for **RR205490**

Spef1 (NM_001039024) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spef1 (NM_001039024) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spef1
Synonyms:	RGD1311267
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205490 representing NM_001039024 Red =Cloning site Blue =ORF Green =Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGAAGCAGCGTGGATGAGGAGGCTCTGCACCAGCTGTACCTCTGGGTAGACAACATCCCTCTGTCCA
 GACCCAAGAGGAACCTCTCCCGGATTTTCAGCGACGGAGTCTGGTTGCAGAGCTTATCAAGTTTACTT
 CCCAAGATGGTGGAGATGCACAATTATGTCCCGCCAACCTCTCCAGCAGAAGCTCAGCAACTGGGGT
 CACCTGAACAGAAAGGTGCTGAACAAGCTGAACCTCTCCGTCCCAGATGATGTGATGCGGAAAATTGCGC
 AGTGTCTCCGGGGTAGTGGAGCTAGTGCTCATTCCATTGAGGCAGCGCTGGAGGAGCGGCAGAGGCG
 CCAGAAGCTGGGTGTTGGCTCCTTACAGGAGCTGGTTCCTCAGGATAGCAGTGGCTACATGGATATGGGT
 TTGTCCCAGAAGGTTTCGAGGAGATGCCCAACCTGGGAGAGCAGCTCAGAGAGGGCCATCCGCTGGCTC
 CCCGACCCCTGGGTATAACCAGGCGCTGCAGGGGGATCCGAACCTTCGTCTCCAGATCGCTGAAAAGGA
 GCAGGAGCTGTTGGCTCTCAAGAGACAGTACAGGTCTTCAGATGAAGGTGAAGCGTCTGGAACATCTG
 CTCCAACCTCAAGAACGTGCGCATCGATGACCTCTCCCGCGGCTCCAGCAGGCCGAGCGCAAGCAGCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RR205490 representing NM_001039024

Red=Cloning site Green=Tags(s)

MESSVDDEALHQLYLWVDNIPLSRPKRNL SRDFS DGV LVAELIKFYFKPMVEMHNYVPANSLQQKLSNWG
HLNRKVLNKLNF SVPDDVMRKIAQCSPGVVELVL IPLRQRLEERQRRQKLGVGSLQELVPQDSSGYMDMG
LSQKVRGDAPTLGEQLREGHPLAPRPPGYNQALQGDPNFVLQIAEKEQELLASQETVQVLQMKVKRLEHL
LCLKNVRIDDL SRRLQOAERKOR

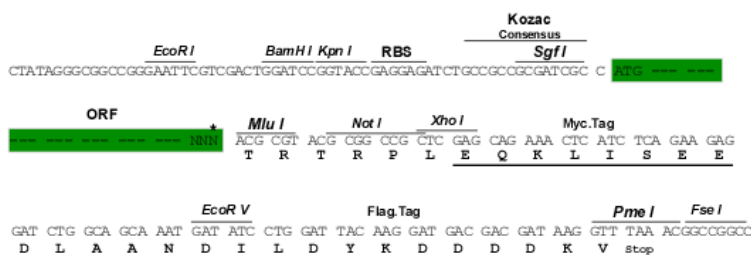
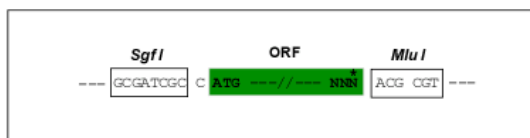
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001039024

ORF Size: 699 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_001039024.2, NP_001034113.2

RefSeq Size: 1527 bp

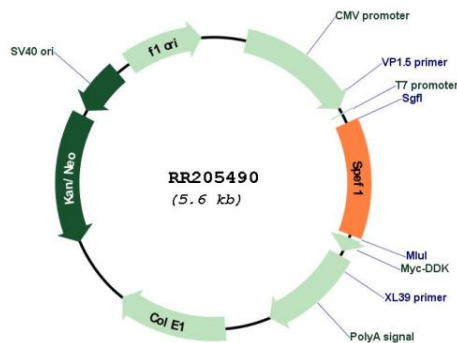
RefSeq ORF: 702 bp

Locus ID: 311429

Cytogenetics: 3q36

MW: 26.8 kDa

Product images:



Circular map for RR205490