

Product datasheet for **RR212006**

Spdef (NM_001109530) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spdef (NM_001109530) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Spdef
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212006 representing NM_001109530
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCAGCGCCAGCCCTGGCCTGAGCAACGTGTCCCCGGTTGCCTGCTGTCTCCAGATGTGGCAC
TGCGGACAGGGGTGGAGAAGGCAGCGCTCAGGGCAATGGGCCTCGAGAAGCAGGAATGGAGTCCTAGTCC
ACCCGCCACCCCTGAGCAGGGCCTGTCTGCCTTCTACCTCTCTACTTTAACATGTACCTGAGGATGGC
AGCTGGGTGCGCCAAAGTCCCGAGGCCAGCGCCAGGGAGGACCACCCGGAGGAGCCTGAGCAGTCCCAG
TCATCGACAGCCAGGCCTCTGGGAACACGCTGGATGAACACTCCCTAGAGCAGGTGCAGTCCATGGTGGT
GGGCGAGGTCTGAAAGATATCGAGACTGCATGCAAGCTGCTGAATATCACAGCCGACCCTGGGACTGG
AGCCCTGGTAACGTGCAGAAGTGGCTTCTGTGGACAGAACACCAGTACCGGCTGCCTCCAGCGGGCAAGG
CCTTCCAGGAGCTGGGTGGCAAAGAGCTATGCGCCATGTCCGAGGAGCAGTTCGCCAGCGGGCACCCCTT
GGGCGGGGACGTGCTGCATGCTCACCTGGACATCTGGAAGTCAGCGGCCTGGATGAAGGAAAGGACCTCG
CCTGGGGCCCTTCACTACTGCGCCTCCACCAGCGAGGAGGGCTGGACGGATGGTGAAGTGGATTCTCGT
GCTCCGGGCAACCCATCCACCTGTGGCAGTTCCTCAAAGAAGTGTGCTCAAGCCCACAGCTATGGCCG
CTTCATCCGCTGGCTCAACAAGGAGAAAGGCATCTTCAAATGAAGATTCGACAGGTTGGCCCGGCTG
TGGGGTGTGCGCAAGAACCGGCCGATGAACTACGATAAACTAAGCCGCTCCATCCGCCAGTATTACA
AGAAGGGGATCATTGCGAAACCCGACATCTCTAGCGCCTCGTCTACCAGTTTGTGCATCCGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212006 representing NM_001109530
 Red=Cloning site Green=Tags(s)

MGSASPGLSNVSPGCLLLSPDVALRTGVEKAASGAMGLEKQEWSPSPATPEQGLSAFYLSYFNMYPEDG
 SWVAKVPEASAREDHPEEPEQCPVIDSQASGNTLDEHSLEQVQSMVVGEVLKDIETACKLLNITADPGDW
 SPGNVQKWLWTEHQYRLPPAGKAFQELGGKELCAMSEEQFRQRAPLGGDVLHAHLDIWKSAAWMKERTS
 PGALHYCASTSEEGWTDGEVDSSCSGQPIHLWQFLKELLLKPHSYGRFIRWLNKEKGIFKIEDSAQVARL
 WGVKRNRPAMNYDKLSRSIRQYKKGIIIRKPDISQRLVYQFVHPV

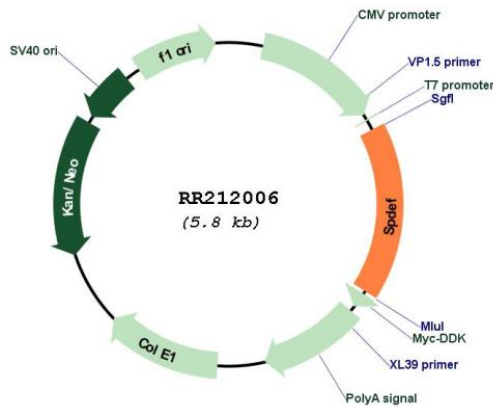
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109530

ORF Size:	975 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:	<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_001109530.1 , NP_001103000.1
RefSeq Size:	1729 bp
RefSeq ORF:	978 bp
Locus ID:	689210
Cytogenetics:	20p12
MW:	36.3 kDa