

Product datasheet for RR216547

Spn (NM_001271086) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spn (NM_001271086) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spn
Synonyms:	Cd43; gpL115; Lsn; Lsn1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216547 representing NM_001271086 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGATGGCCTTGCATCTTCTCCTCCTTTGGGGCTTCTGGGCCAGGTGGTGAGCCAAGAAAATC
TGCCGAATACGATGACGATGTTGCCATTTACTCCGAATAGCGAGTCCCAAGTACCTCTGAAGCCTTGAG
TACCTACTCATCAATTGCTACAGTGCCAGTGACAGAGGACCCTAAGGAGAGTATCAGCCCCTGGGGCAG
ACCACTGCCCCAGCTTCCCAATCCCCTTGGGAACTCCAGAATTGTCTTTTTTTTTTACATCAGCTG
GTGCCAGCGGGAACACCCAGTACCTGAGCTTACAACCTCTCAGGAAGTTTCCACCGAGGCATCATTAGT
ACTGTTTCCAAAATCATCAGGTGTAGCCAGTGACCCTCCTGTCACTATAACTAATCCTGCGACAAGCAGT
GCTGTGGCATCTACCTCTTTAGAAACTTTAAAGGGACCAGTGCACCTCCTGTCACTGTGACAAGCTCGA
CCATGACCAGTGGACCCTTTGTGGCTACAAGTGAAGCTCCGAGACCAGTGGTCCCTCAGTCACTATGGC
TACTGGGTCTCTGGGGCCCTCCAAGAGACACATGGACTCTCTGCCACCATAGCAACCAGTTCTGGTGAG
AGTTCTAGTGTGGCCGGTGGCACCCAGTCTTCAGTACAAAAATATCCACAACGTCTACCCAAAATCCCA
TAACCACCGTGCCACCACGCCAGGATCGAGTGGCATGTTGCTGGTTTCCATGCTATTGCCCTTGACGGT
GGTTTTGGTCTTTGTGGGCTACTGCTGCTGTGGCGCCAGAGGCAGAAGCGGAGGACTGGGGCCCTGACC
CTGAGCAGAGGTGAAAAACGAAATGGTACGGTGGATGCCTGGGCTGGGCCAGCTCGGGTCTGACGAAG
AGGCCACCACCGCATCAGGGTCAAGGGGCAACAAGAGCTCCGGAGCGCCGGAGACGGATGGCTCCGGGCA
GCGGCCACGCTCACCCTTTCTCAGCAGACGGAAGTCTCGCCAGGGCTCGGTAGCACTAGAAGAGCTG
AAGCCTGGGACGGGTCCCAACCTGAAGGGGAGGAAGAGCCTCTGGTAGGCACTGAGGACGAAGCTGTGG
AAACCCCAACTTCTGACGGGCCACAAGCCAAGATGGGGCTGCACCTCAATCCCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216547 representing NM_001271086
 Red=Cloning site Green=Tags(s)

MEMALHLLLLFGGFWAQVVSQENLPNTMTMLPFTPNSESPSTSEALSTYSSIATVPVTEDPKESISPWGQ
 TTAPASSIPLGPELSSFFFTSAGASGNTVPPELTTSQEVSTEASLVLPKSSGVASDPPVTITNPATSS
 AVASTSLETFKGT SAPPVTVTSSMTSGPFVATTVSSETSGPPVTMATGSLGPSKETHGLSATIATSSGE
 SSSVAGGTPVFSTKISTTSTPNPITTVPRPGSSGMLLVSMIALTVVLVLVALLLWRQRKRRTGALT
 LSRGGKRNGTVDAWAGPARVPDEEATTASGSGGNKSSGAPETDGSQRPTLTTF SRRKSRQGSVALEEL
 KPGTGNLKGEEELVGSSEAVETPTSDGPQAKDGAAPQSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

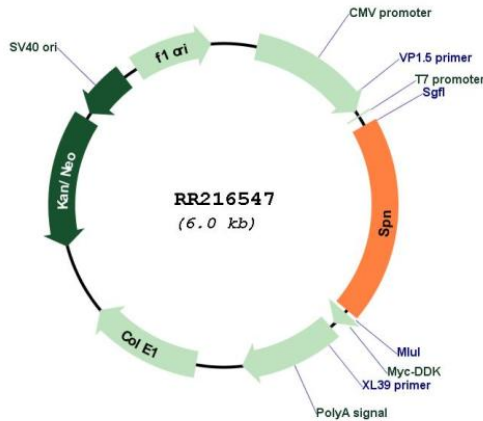
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271086

ORF Size:	1176 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_001271086.1 , NP_001258015.1
RefSeq Size:	3866 bp
RefSeq ORF:	1179 bp
Locus ID:	24796
Cytogenetics:	1q37
MW:	40 kDa
Gene Summary:	major glycoprotein of thymocytes and T lymphocytes [RGD, Feb 2006]