

Product datasheet for **RN200702**

Spr (NM_019181) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spr (NM_019181) Rat Untagged Clone
Tag: Tag Free
Symbol: Spr
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200702 representing NM_019181
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGGAGGCAGGCTAGGTTGCGCTGTCTGCGTGCTGACCGGGGCTTCCCGGGGCTTCGGCCGCGCCC
TGGCCCCGACGCTGGCCGGTTGCTGTCGCCCGTTCCGGTGTTCCTAAGCGCACGCAGTGACTCGAT
GCTGCGGCAACTGAAGGAGGAGCTCTGTACGCAGCAGCCGGGCCGCAAGTGGTGTGGCAGCCCGCAT
TTGGGCACCGAGTCCGGGTGCAACAGTTGCTGAGCGCGGTGCGCGAGCTCCCTAGGCCCGAGAGGCTGC
AGCGCCTCCTGCTCATCAACAATGCAGGCACTCTTGGGGATGTTTCCAAAGGCTTCTGAACATCAATGA
CCTAGCTGAGGTGAACAATACTGGGCCCTGAACCTAACCTCCATGCTCTGCTTGACCACCGGCACCTTG
AATGCCTTCTCAATAGCCCTGGCCTGAGCAAGACTGTAGTTAACATCTCATCTCTGTGTGCCCTGCAGC
CCTTCAAGGGCTGGGACTCTACTGTGCAGGGAAGGCTGCCCGAGACATGTTATACCAGTCTGGCTGT
TGAGGAACCCAGTGTGAGGGTGTGAGCTATGCCCCAGTCCCCTGGACACCAACATGCAGCAGTTGGCC
CGGAAACCTCCATGGACCCAGAGTTGAGGAGCAGACTGCAGAAGTTGAATTCTGAGGGGGAGCTGGTGG
ACTGTGGGACTTCAGCCAGAACTGCTGAGCTTCTGCAAAGGGACACCTTCCAATCTGGAGCCACGT
GGACTTCTATGACATTA**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_019181
Insert Size: 789 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_019181.1 , NP_062054.1
RefSeq Size:	1219 bp
RefSeq ORF:	789 bp
Locus ID:	29270
UniProt ID:	P18297
Cytogenetics:	4q34
Gene Summary:	enzyme which catalyzes the terminal step in the biosynthesis of tetrahydrobiopterin; important for aromatic amino acid hydroxylation [RGD, Feb 2006]