

Product datasheet for **RN214004**

Sprn (NM_001031845) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sprn (NM_001031845) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sprn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN214004 representing NM_001031845 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGTGGACTACTGCCACATGCTGGGCTCTGCTGCTGGCCACCGCCTTCCTCTGTGACAGCTGTTTCGG
 CCAAGGGCGGCCGCGGAGGTGCTCGAGGCAGTGCCAGGGGGTGCGCGGAGGTGCGCGGGGCATCAAG
 AGTGCGTGTAAGGCCGGCGCCCGCTACAGCTCCTCTCTGCGAGTGGCGGCTGCAGGAGCAGCAGCTGGG
 GCTGCGGGGGGTGTGGCTGCGGGCCTTGCCACCGGCTCTGGCTGGAGGAGGACCTCAGGACCTGGAGAGC
 TAGGCCTGGAGGACGATGAGAACGGGCAATGGGAGGCAACGGGACCGAGGAGTCTACAGCTACTG
 GGCTGGACTTCCGGCTCAGGGTCCGTACACAGTCCACGTATTTGCCTGCTTTTGAGCGGCACGCTTGGT
 GCCCTAGAACTGCTTCGGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001031845
Insert Size:	444 bp
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).


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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:	<u>NM_001031845.1, NP_001027015.1</u>
RefSeq Size:	444 bp
RefSeq ORF:	444 bp
Locus ID:	541462
UniProt ID:	<u>Q5BIV7</u>
Cytogenetics:	1q41
Gene Summary:	Prion-like protein that has PrP(C)-like neuroprotective activity. May act as a modulator for the biological actions of normal and abnormal PrP (By similarity).[UniProtKB/Swiss-Prot Function]