

Product datasheet for **RN205941**

Smptb (NM_182818) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smptb (NM_182818) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smptb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205941 representing NM_182818
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAGCAGAACTCGCCCCCGAGCTGAAGGAAATGGCAGCAAGAGGTTCAAAGGAGACAGCTGGGGCA
 CCCGGGACCCCTCCAGACTGGTCCACATCCTCAGGCTGCCAAGCTGTGTACCGAAGGAGAGATTCTCTG
 TCTCGCTCTGCCTTCGGGGAGGTCTCAACCTACTGTTTCTGAGGGCGAAGAACCAGGCCCTTCGTGGAG
 ATGAGCACAGAGGAGTCCGCCAACCATGATCAACTACTACCTGGATGCCTCCTGTGCTGCGTGGGC
 AGCCCGTTACATTAGTTCGCCCACTACAGGGAGCTCAAGGTAAGCAGCTCCCCAGCCAGGAGATTTTC
 CCTGAGTCAGGCGGGTACTCTAGGGAAGCCACTGCCTCCAGTCTGGTGGCTGTTCTGGCCAGGCTGCT
 GCCAGTGGCCAGACTGCTGTCCCAGCCAGTTGGGTGCTCAGCCATGCCTGCCACCTGAGGATTCCTACC
 AGGCAGGACTGTGGCCTTGGCCCCCTGCCTCTGCTGTGGACACGGAGTTAGTGGTGGCTGGCAGAG
 CCCTGTGCTCAGGATACTGTGGAGAACTACTTTACCGAGTGACCTTGAAGTGTGCACCAAATCTTC
 TCCAGGTTTGGCAGATTTTAAAAATCATCACCTGTACCAAGAACAACCGGTTCCAGGCGCTGTTACAGT
 ATGCCCCAGTGATGAGTGCCGAGCGTGCCAAGCTGTTCTTGATGGGCGAACAATCTACGACGCCTGCTG
 TACACTGCGCATTTCTTCTCCGGGCTACCAACCTCATGGTCAAGTACAACAACGACAAGAGCCGCGAC
 TACATGCGCCAGACCTGCCCTCAGATGACAGTCAGCCCTCTCCGGTCCAGGTCCAGAACATGGCCTCAG
 CTCTCCCTGCACCTGCCATGAGCTCAGCCTCTCCCTATGCAAGCATTGCGTTACCCACACCTTTGCAAT
 TCCTCAAGCTGCAGGCTTGGCCAACCCAGAAGTTTTAAGACCCTGCACCCCAAGCCATACAGGAAGTG
 GCAATGGCATCATCATCATCATCAACAGCAGCAGCGGCAGTAGGAGCAGCAGAAATAGCAGCAG
 CAGCAGTACCTGGAGCAGAGGGCTCAATGGTCACCTCAGGCTCCCGGGTGTGGGAGCCCTGCTCCTCT
 GGTTGCCAACCTCAACCAAGAGAAAGTCACACCCGAAGCCTCTTCATTCTCTTTGGTGCCTATGGCGAT
 GTGCACCGAGTGAAGATCTTGTTC AACAGGAAGGAGAACGCGCTAGTGCAGATGGCAGATGGGAGTCAGG
 CTGAGCTGGCCTTGAGGCACCTGAATGGGCACAAGCTGTATGGGAAGGCTCTCTGCATCCTGCTGCCAA
 GCACCAGAGTGTGAAGCTGCCCCGGGAGGGCAAGGAGGACCAGGGCCTACCAAGGACTATGCCAACTCC
 CCGCTGCACCGCTTTAAGAAGCCGGATCCAAGAACTCCAGAACATCTTCCGCCCTCAGCCACCCTGC
 ACCTCTCCAACCTACCCTCCTTGGTGTCTGAGGAAGAGCTCAAGAACCTCTTCTCCAGCAACGGGTATGC
 TGTC AAGGCTTTAGGTTCTTCCCAAGAACCACAAGATGGCACTGATCCGGATGGGCTCCACAGAGGAG
 GCCATCCAGGCTCTGTAGACCTGCATGGTCACCTCCTAGGCCAGAACCCACATGCGAGTCTCCTTCT
 CCAGGATGACTAT**CAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_182818

Insert Size: 1767 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).

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:	<u>NM_182818.1, NP_877970.1</u>
RefSeq Size:	1883 bp
RefSeq ORF:	1767 bp
Locus ID:	302879
Cytogenetics:	Xq12
Gene Summary:	RNA binding protein that regulates alternative mRNA splicing [RGD, Feb 2006]