

## Product datasheet for **RN212006**

### Spdef (NM\_001109530) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Spdef (NM\_001109530) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Spdef  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN212006 representing NM\_001109530  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCAGCGCCAGCCCTGGCCTGAGCAACGTGTCCCCGGTTGCCTGCTGTCTGCCAGATGTGGCAC  
 TGGCGACAGGGGTGGAGAAGGCAGCGTCAGGGGCAATGGGCTCGAGAAGCAGGAATGGAGTCCTAGTCC  
 ACCCGCCACCCCTGAGCAGGGCCTGTCTGCCTTCTACCTCTCCTACTTTAACATGTACCCTGAGGATGGC  
 AGCTGGGTGCGCAAAGTCCCCGAGGCCAGCGCCAGGGAGGACCACCCGGAGGAGCCTGAGCAGTGGCCAG  
 TCATCGACAGCCAGGCCCTGCGGAACACGCTGGATGAACACTCCCTAGAGCAGGTGCAGTCCATGGTGTT  
 GGGCGAGGTCCTGAAAGATATCGAGACTGCATGCAAGCTGCTGAATATCACAGCCGACCCTGGGGACTGG  
 AGCCCTGGTAACGTGCAGAAGTGGCTTCTGTGGACAGAACCAGTACCGGCTGCCTCCAGCGGGCAAGG  
 CCTTCCAGGAGCTGGGTGGCAAAGAGCTATGCGCCATGTCCGAGGAGCAGTTCGCGCAGCGGGCACCCCT  
 GGGCGGGGACGTGCTGCATGCTCACCTGGACATCTGGAAGTCAGCGGCCTGGATGAAGGAAAGGACCTCG  
 CCTGGGGCCCTTCACTACTGCGCCTCCACCAGCGAGGAGGGCTGGACGGATGGTGAGGTGGATTCTGCTG  
 GCTCCGGGCAACCCATCCACCTGTGGCAGTTCTCAAAGAAGTGTGCTCAAGCCCCACAGCTATGGCCG  
 CTTTCATCCGCTGGCTCAACAAGGAGAAAGGCATCTTCAAATGAAGATTCGCGCACAGGTGGCCCGGCTG  
 TGGGGTGTGCGCAAGAACCGGCCGATGAACTACGATAAACTAAGCCGCTCCATCCGCCAGTATTACA  
 AGAAGGGGATCATTGCAAACCCGACATCTCTCAGCGCCTCGTCTACCAGTTTGTGCATCCGGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001109530  
**Insert Size:** 978 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001109530.1</a></u> , <u><a href="#">NP_001103000.1</a></u>
<b>RefSeq Size:</b>	1729 bp
<b>RefSeq ORF:</b>	978 bp
<b>Locus ID:</b>	689210
<b>Cytogenetics:</b>	20p12