

## Product datasheet for **RN204949**

### Sp4 (NM\_012761) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sp4 (NM_012761) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sp4
Synonyms:	HF-1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204949 representing NM\_012761  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCGATCAGAAGAAGGAGGAGGAGGAGGAGGCGCGCAGCGGCAATGGCTACAGAAGGAGGAAAACT  
 CTGAGCCAGAGAATAACAATAAAAAACCCAAAACCTCAGGCTCCCAGGACTCTCAGCCCTCTCCTCTGGC  
 TTTACTGGCAGCTACTTGCAGCAAAAATAGGGACTCCTGGTGAAAAATCAAGCAACTGGACAACAGCAGATT  
 ATTATAGATCCAAGCCAAGGATTGGTGCAACTTCAGAATCAACCACAGCAGCTAGAAGTGGTGACAACGC  
 AGCTTGTGGAACGCTTGGCAACTTGTGCTCCACTCCTCTGCTTCAAAGAAAAATAACGTTTCTCA  
 GCCAGTCTTAGTTCATCTAGTCTTCCAGCAGTAATAACGGGAGTTCCTCTCTACAAAACTAAATCA  
 GGTAAATCCTTCCACCCCTAATCAATTTCAAGTCATAACAAGTACAGAATCCAAGTGGTAGGTACAGTACC  
 AAGTGATCCCCAACTTCAGACGGTGAAGGTGAGCAAAATCAAATCAATCCAACCTAGTAGTTCATCTCT  
 ACAGGATTTGCAGGGTCAAATTCAACTCATTCTGCAGGTAATAATCAAGCTATCCTCACGGCTGCTAAC  
 AGGACAGCTTCTGGGAATATCCTTGCTCAAACCTGGCAAATCAGACAGTTCGGTACAAATTAGACCTG  
 GTGTTTCAATACCATTGCAATTGCAGACCCCTCCTGGTACTCAGGCTCAAGTTGTAAACAACCTACCAAT  
 TAACATTGGAGGAGTGACTTTAGCTTTGCCAGTAATAAATAACGTGACTGCTGGAGGAGGGACTGGACAA  
 GTTGGCCAGCCTACTACTACTACTGATAGTGGGACTTCCAATGGAAATCAGTTAGTGTCTACGCCCA  
 CCACCAGCACTGCTCCCGCCAGTACTATGCCTGAATCACCTCTTCTCTACTACCTGCACAACCTACTGC  
 ATCAACATCTCTGACGAGCAGTGACACATTAGTGAGCTCAGCAGATACGGGCCAGTATGCAAGCAGTCA  
 GCCAGTAGTTCTGAACGCACCATTTGAAGAACCACAGACACCTGCTGCTACTGAGTCTGAGGCCAGAGCT  
 CCAGTCAGTTCAGTCCAATGGGATACAGAATGCACAGGATCAGTCAAATCTCTTCAGCAAGTACAGAT  
 TGTAGGCCAGCCTATCCTGCAGCAAAATCCAGATCCAGCAGCCTCAGCAGCAGATTATTTCAAGCTATCCCG  
 CCACAGTCATTTCAACTCCAGTCAGGGCAGACAATTCAGACCATCCAGCAGCAGCCTTTCAGACAAGTTC  
 AACTTCAAGCAGTAAACCCGACTCAGGTGCTTATCAGGGCTCCAACCTTAAACACCTTCAGGGCAAATCAG  
 CTGGCAAACCTGTCCAGGTCCAGAATATTCAGAGTCTTTCAAATTTGCAAGTTCAGAACGCTGGGTTATCC  
 CAGCAGTTAACCATCACCCAGTGTCTTCAAGCGGTGGCACAACCTTGTCTCAGATTGCTCCTGTGGCTG  
 TTGCTGGTGCCCAATAACATTGAATACTGCCAGCTTGCATCAGTGCCTAACCTTCAGACAGTGAAGCT  
 TGCCAACCTGGGTGCTGCGGGTGTCAAGTTCAGGGAGTTCAGTAACAATCACTAGTGTTCAGGTCAG  
 CAGCAAGGACAGGATGGAGTGAAAGTCCAGCAAGCTACTATAGCTCCTGTAAACGGTGGCAGTTGGAGGGA  
 TCGCTAATGCGACAATAGGTGCTGTAGTCTGACCAACTCACACAAGTGCATTTGCAGCAAGGCCAGCA  
 GACCTCTGATGCCGAGGTGCAACCTGGCAAGAGGCTTCGAAGAGTTGCCTGCTCGTGCCTAACTGTAGG  
 GAAGGAGAAGGAAGGGGAGCAGTGAACCAGGAAAGAAAAAGCAGCATGTTTGCCACATTGAAGGGTGTG  
 GAAAGTGTATGGCAAGACTTCTCACCTACGAGCAGTCTCCGCTGGCAGACTGGAGAACGGCCTTTCAT  
 ATGCAACTGGATGTTTTGTGGCAAAAGATTACCAGGAGTGATGAGCTTCAGAGGCACAGAAGGACCCAC  
 ACAGGTGAAAAGAGATTTGAATGTCCAGAATGTTCTAAAAGGTTTATGCGGAGTGATCACCTTCCAAGC  
 ATGTCAAACCTACCAGAATAAGAAAGGAGGTGGCAGCTCTTGCCATTGTACCTCCGGAGAAGTGA  
 CTCATCCGTTACAGAGGTGCTTGGCTCTCCACGGATTGTACAGTTGCCGCAATTTCTCAAGATTCGAAT  
 CCAGCAACTCCCAATGTTTCAACAAACATGGAAGAATTC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul  
 ACCN: NM\_012761  
 Insert Size: 2352 bp

<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_012761.1</a></u> , <u><a href="#">NP_036893.1</a></u>
<b>RefSeq Size:</b>	3489 bp
<b>RefSeq ORF:</b>	2352 bp
<b>Locus ID:</b>	25162
<b>Cytogenetics:</b>	6q33
<b>Gene Summary:</b>	C2H2 zinc finger protein that binds the AT-rich HF-1b/MEF-2 site in the myosin light-chain 2 promoter and acts as a transcriptional activator [RGD, Feb 2006]