

Product datasheet for **MC220759**

Sp4 (NM_001166385) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sp4 (NM_001166385) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sp4
Synonyms:	5730497N03Rik; HF-1b; HF1-b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220759 representing NM_001166385
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGATCAGAAGAAGGAGGAGGAGGAGGAGGCGCGCAGCGCGGATGGCTACAGAAGGAGGAAAAACCT
 CTGAGCCAGAGAATAACAATAAAAAACCCAAAACCTCAGGCTCCCAGGACTCTCAGCCCTCTCCTCTGGC
 TTTACTGGCAGCTACTTGCAGCAAAAATAGGGACTCCTGGTGAAAAATCAAGCAACTGGACAACAGCAGATT
 ATTATAGATCCAAGCCAAGGATTGGTGCAACTTCAGAATCAGCCACAGCAGCTAGAAGTGGTGACGACGC
 AGCTTGTGGAAACGCTTGGCAACTTGTGCTCCACTCCTCTGCTTCAAAGAAAAATAACGTTTCTCA
 GCCAGTCTTAGTTCATCTAGTCTTCCAGCAGTAATAACGGGAGTTCCTCTCTACAAAACTAAATCA
 GGTAAATCCTTCCACCCCTAATCAATTTCAAGTCATAACAAGTACAAAACCCAAAGCGGTAGTGTACAGTACC
 AAGTGATCCCCAACTTCAGACGGTGAAGGCCAGCAAATCAAATCAACCCAACTAGTAGTTCATCTCT
 ACAGGATTTGCAGGGTCAAATTCAGCTCAATTTCTGCAGTAATAATCAAGCTATCCTCACGGCTGCTAAC
 AGGACAGCTTCTGGGAATATCCTTGCTCAAACCTGGCAAATCAGACAGTTCAGTACAAATTAGACCTG
 GCGTTTCAATACCATTGCAATTGCAGACCCCTCCTGGTACTCAGGCTCAAGTTGTAAACAACCTACCAAT
 TAACATTGGAGGAGTGACTTTAGCTTTGCCAGTAATAAATACGTGACTGCTGGAGGAGGGACTGGACAA
 GTCGGCCAGCCTACTACTACTACTGACAGTGGGACTTCCAATGGGAATCAGTTAGTTTCTACGCCACCA
 CCAGCACTGCTCCCGCCAGTACTATGCCTGAATCGCCCTCCTCTACTACTGACAACACCCGCATC
 AACACTCTGACGAGCAGTGACACATTAGTGAGCTCAGCAGATACAGGCCAGTATGCAAGCACATCAGCC
 AGTAGTTCTGAACGCACCATTGAAGAACCACAGACCTGCTGCTACTGAGTCTGAAGCCAGAGCTCCA
 GCCAGCTTCAGTCCAACGGAATTCAGAATGCACAAGACCAGTCAAATCCCTTCAAACAAGTACAGATTGT
 AGGCCAGCCTATCCTGCAGCAAAATCCAGATCCAGCAGCCTCAGCAGCAGATTATTCGAAGCTATCCCACCA
 CAGTCATTTAGCTCCAGTCAGGCAGACAATTCAGACCATCCAGCAGCAGCCTTTCAGAAATGTTCAAC
 TTCAAGCAGTAAACCCGACTCAGGTAATATCAGGGCTCCAACCTTAAACACCTTCAGGGCAAATCAGCTG
 GCAAACGTCCAGGTCCAGAATATTCAAAGTCTTCAAATTTGCAAGTTCAGAATGCTGGGTTATCCCAG
 CAGTTAACCATCACCCAGTGTCTTCAAGTGGTGGCACAACCTTGTCTCAGATTGCTCCTGTGGCTGTTG
 CTGGTGCCCAATAACTTTGAATACTGCCAGCTTGCATCAGTGCCTAACCTTCAGACAGTGAGCGTTGC
 CAACCTGGGTGCTGCGGGTGTTCAGTTCCAGGAGTTCAGTAAACATCACTAGTGTTCAGGTCAACAG
 CAAGGACAGGATGGAGTGAAGTCCAACAAGCTACTATAGCTCCTGTAAACGGTGGCAGTTGGAGGGATTG
 CTAAATGCGACAATAGGTGCTGTTAGTCTGACCAACTCACACAAGTGCATTTGCAGCAAGGCCAGCAGAC
 CTCTGATGCAGAGGTGAACCTGGCAAGAGGCTCCGAAGAGTTGCCTGCTCCTGTCTAACTGTAGGGAA
 GGAGAAGGAAGCAGTGAACCAGGAAAGAAGAAGCAGCATGTTTGGCCATTTGAAGGGTGTGGGAAAGTAT
 ATGGCAAGACCTCTCACCTCCGAGCACATCTCCGATGGCACACTGGAGAAAGACCGTTTATATGCAACTG
 GATGTTTTGTGGCAAAAGATTACAAGGAGCGATGAGCTTCAGAGACACAGAAGGACCCACACAGGTGAA
 AAGAGATTTGAATGTCCAGAGTGTCTAAAAGGTTTATGCGGAGTGATCACCTATCCAAGCATGTCAAAA
 CTCACCAGAATAAGAAAGGAGGTGGGACAGCTCTTGCCATTGTTACCTCCGGAGAAGTGGACTCATCTGT
 TACAGAGGTGCTTGGCTCTCCACGGATTGTCACGGTTGCCGCCATTTCCCAAGATTGGAATCCAGCAACT
 CCCAATGTTTCAACAAACATGGAAGAATTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
 ACCN: NM_001166385
 Insert Size: 2343 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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001166385.2, NP_001159857.2</u>
RefSeq Size:	9011 bp
RefSeq ORF:	2343 bp
Locus ID:	20688
Cytogenetics:	12 63.48 cM