

Product datasheet for **MC221565**

Sp3 (NM_001018042) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sp3 (NM_001018042) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sp3
Synonyms:	D130027J01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221565 representing NM_001018042
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGCTCCGAAAAGCCCGTGAACAAGAGGAAATGGCTGCCTTGGACGTGGACGGCGCGGAGGCG
 GCGGCGGCCACGGCGAGTATCTACAGCAGCAGCAGCAACAGCAGCAGCACGGAAACGGCGCGCGGC
 GGCGGCGGCCAGGACTCAGCCGTCACCGCTCGCTCTGCTGGCCGCTACCTGCAGCAAGATAGGGCCG
 CCATCGCCGGGCGACGACGACGAGGAGGCGGCCGTTGCCGCCGCGCGGGTCCCGCCGCCGCCGCCG
 GAGCGACAGGTGATTTGGCTTCTGCACAGTTAGGAGGAGCACAAACCGATGGGAGGTTTTGTCAGCTAC
 ACCTACAATAAAAAGATGAAGCTGGAATCTAGTACAGATTCCAGGTGCTGCTACTTCAAGTGGGCGAG
 TATGTCCTTCCCCTTCAAGATTTGCAGAATCAACAAATATTTTCAGTTGCACCAGGATCAGATTCATCAA
 ATGGCACAGTGTCCAATGTTCAAGTAAACCACAAATTCAGTCAACAGACGCTCAGCAGGTTCA
 GATTGGCTTACAGGCTCCTCAGATAATGGGGCATAAAACAAGAAAACAGCCAAATTCAGATCATTCT
 GGCTCTAATCAAACCTTACTCGCCTCTGGAACCTCCTGCTAATATCCAGAATCTCATACCACAGACTG
 GTCAGTCCAGGTTCAAGGAGTTGCAATTGGTGGCTCATCATTTCTGGCCAAACTCAAGTAGTCGCTAA
 TGTGCCTCTTGGTCTGCCAGGAAATATTACCTTTGTACCAATCAATAGTGTGATCTAGATTCTTTGGGA
 CTCTCGGGAAGTTCTCAGACAATGACTGCGAGCATTAAATGCCGATGGACATTTGATAAACACAGGACAAG
 CTATGGATAGTTCAGACAATTCAGAAAGGACTGGTGAGCGGGTTTCTCCTGATGTTAATGAAACTAATGC
 TGATACAGATTTATTTGTCCAACATCCTCTTCATCACAGTTGCCTGTTACAATAGATAGTACAGGTATA
 TTACAGCAAAACACAAATAGCTTGACTACTACTAGTGGCAAGTCCATTCTCAGATCTTCAGGGAAATT
 ATATCCAGTCGCCTGTTTCTGAAGAGACACAGGCTCAGAATATTCAGGTTTCTACAGCACAGCCTGTTGT
 ACAACATCTACAACCTCAAGATTCTCAGCAGCCAACAGTCAAGCCCAAATTTGTCAAGGTATTACACCA
 CAGACAATCCATGGCGTCAAGCCAGTGGTCAAAATATATCACAACAGGCTTTGCAAAACCTTCAGTTGC
 AGCTGAATCCTGGAACCTTTTTAATTCAGGCACAGACAGTGACCCCTTCTGGACAGATAACTTGGCAAAAC
 ATTTCAAGTACAAGGGTCCAGAATTCAGAAATTTGCAATACAAAATACTGCTGCCCAACAAATTAAT
 TTGACGCCTGTTACAGACTCACGCTTGGTCAAGTCGACGAGGTTGGAGCCTTGACTTCAACTCCAGTCA
 GTCTAAGCACTGGTCAGTTGCCAAATCTACAGACAGTTACAGTAAATCTATAGATTCTACTGGCATAACA
 GCTACATCCAGGAGAGAATGCCGACAGTCTGCAGATATTAGGATCAAGGAAGAGGAACCTGACCCTGAA
 GAATGGCAGCTCAGTGGTACTCTACACTGAACACCAATGACCTAACACATTTACGAGTACAAGTGGTAG
 ATGAAGAAGGGGACCAACAACATCAAGAAGGAAAAAGACTTCGGAGGGTAGCTTGACCTGTCCCAACTG
 TAAAGAAGGTGGTGGGAGAGGTACCAATCTTGGGAAAAAGCAACACATTTGTCATATACCGGGATGT
 GGTAAAGTCTATGGGAAGACCTCACATCTGAGAGCACACCTGCGTTGGCATTTCGGGGGAGCGCCCTTTTA
 TTTGTAAGTGGATGTTCTGTGGTAAAAGATTTACACGAAGTGTGAATTACAGAGGCACAGAAGAACACA
 TACAGGTGAGAAGAAGTTTGTGTCCAGAATGTTCAAACGCTTTATGAGAAGTGACCCTTGCCAAA
 CATATTAACACATCAAATAAAAAAGTCATTCCTCTAGCAGTACAGTGTGCTCGCATCTGTGGAAGCTG
 GAAGAGATGATGCCTTGATTACTGCAGGAGGAACAACACTTATCCTTGCAAAATTTCAACAGGGGTCTGT
 GTCAGGGATAGGAACTGTCAATACTTCTGCCACCAGCAATCAAGACATCCTTACCAACACTGAAATACCT
 TTACAGCTTGTCACAGTTTCTGGAAATGAGACAATGGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
 ACCN: NM_001018042
 Insert Size: 2352 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.
RefSeq:	<u>NM_001018042.3</u> , <u>NP_001018052.1</u>
RefSeq Size:	4191 bp
RefSeq ORF:	2352 bp
Locus ID:	20687
UniProt ID:	<u>O70494</u>
Cytogenetics:	2 C3
Gene Summary:	<p>This gene product belongs to a family of Sp1 related transcription factors, which regulate transcription by binding to consensus GC- and GT-box regulatory elements in target genes. This protein contains a zinc finger DNA-binding domain and several transactivation domains, and has been reported to function as a bifunctional transcription factor that either stimulates or represses transcription of numerous genes. Alternative splicing results in transcript variants encoding different isoforms, and one variant initiates translation from a non-AUG (AUA) codon. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>