

## Product datasheet for **MC220999**

### Sp3 (NM\_001098425) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sp3 (NM_001098425) 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: >MC220999 representing NM\_001098425  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATAGGGCCGCATCGCCGGCGACGACGACGAGGAGGCGGCCGTTGCCGCCGCCCGGGGTCCCCGCCG  
 CCGCCCGGAGCGACAGGTGATTTGGCTTCTGCACAGTTAGGAGGAGCACCAAACCGATGGGAGTTTT  
 GTCAGCTACACCTACAATAAAAAGTGAAGCTGGTAATCTAGTACAGATTCCAGGTGCTGCTACTTCA  
 AGTGGGCAGTATGTCCTTCCCCTCAGAATTTGCAGAATCAACAAATATTTTCAGTTGCACCAGGATCAG  
 ATTCATCAAATGGCACAGTGTCCAATGTTCAAGTAAACCACAAATTCAGTCAACAGACGCTCA  
 GCAGGTTCAAGTTGGCTTACAGGCTCCTCAGATAATGGGGGCATAAATCAAGAAAACAGCCAAATTCAG  
 ATCATTCTGGCTCTAATCAAACCTTACTCGCTCTGGAACACCTCCTGCTAATATCCAGAATCTCATA  
 CACAGACTGGTCAAGTCCAGGTTGAGGAGTTGCAATTGGTGGCTCATCATTTCTGGCCAAACTCAAGT  
 AGTCGCTAATGTGCTCTTGGTCTGCCAGGAAATATTACCTTTGTACCAATCAATAGTGTGATCTAGAT  
 TCTTTGGGACTCTCGGGAAGTTCTCAGACAATGACTGCAGGCATTAATGCCGATGGACATTTGATAAACA  
 CAGGACAAGCTATGGATAGTTCAGACAATTCAGAAAGGACTGGTGAGCGGGTTTCTCTGATGTTAATGA  
 AACTAATGCTGATACAGATTTATTTGTGCCAACATCCTTTCATCACAGTTGCCTGTTACAATAGATAGT  
 ACAGGTATATTACAGCAAAACACAAATAGCTTGACTACTACTAGTGGCAAGTCCATTCTCAGATCTTC  
 AGGGAAATTATATCCAGTCGCCTGTTTCTGAAGAGACACAGGCTCAGAATATTCAGGTTTCTACAGACA  
 GCCTGTTGTACAACATCTACAACCTCAAGATTCTCAGCAGCAACAGTCAAGCCAAATTTGCAAGGT  
 ATTACACCACAGACAATCCATGGCGTCAAGCCAGTGGTCAAAAATATACACAACAGGCTTTGCAAAACC  
 TTCAGTTGCAGCTGAATCCTGGAACCTTTTTAATTCAGGCACAGACAGTACCCTTCTGGACAGATAAC  
 TTGGCAAAACATTTCAAGTACAAGGGGTCCAGAACTTACAGAATTTGCAAAATACAAAATACTGCTGCCCAA  
 CAAATACTTTGACGCCTGTTCCAGACACTCACGCTTGGTCAAGTCGCAGCAGGTGGAGCCTTGACTTCAA  
 CTCCAGTCAGTCTAAGCACTGGTCAGTTGCCAAATCTACAGACAGTTACAGTAAATTTCTATAGATTCTAC  
 TGGCATAACAGCTACATCCAGGAGAGAAATGCCGACAGTCTGCAGATATTAGGATCAAGGAAGAGGAACCT  
 GACCCTGAAGAATGGCAGCTCAGTGGTACTCTACTGAAACCAATGACCTAACACATTTACGAGTAC  
 AAGTGGTAGATGAAGAAGGGGACCAACAACATCAAGAAGGAAAAAGACTTCGGAGGGTAGCTTGCACCTG  
 TCCCAACTGTAAGAAGGTGGTGGGAGAGGTACCAATCTTGGGAAAAAGAAGCAACATTTGTCATATA  
 CCGGGATGTGGTAAAGTCTATGGGAAGACCTCACATCTGAGAGCACACCTGCGTTGGCATTCCGGGGGAGC  
 GCCCTTTTATTTGTAACCTGGATGTTCTGTGGTAAAAGATTTACACGAAGTGATGAATTACAGAGGCACAG  
 AAGAACACATACAGGTGAGAAGAAGTTGTTTGTCCAGAATGTTCAAAACGCTTTATGAGAAGTGACCAC  
 CTTGCCAAACATATTAACACATCAAAAATAAAAAAGTCAATTCAGTCTAGCAGTACAGTGCCTGCATCTG  
 TGGAAAGCTGGAAGAGATGATGCCTTGTACTGCAAGGAGGAACAACACTTATCCTTGCAAAATTTCAACA  
 GGGGTCTGTGTCAGGGATAGGAAGTGTCAATACTTCTGCCACCAGCAATCAAGACATCCTTACCAACT  
 GAAATACCTTTACAGCTTGTACAGTTTCTGGAATGAGACAATGGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM\_001098425

Insert Size: 2151 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).

<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_001098425.1</a></u> , <u><a href="#">NP_001091895.1</a></u>
<b>RefSeq Size:</b>	4100 bp
<b>RefSeq ORF:</b>	2151 bp
<b>Locus ID:</b>	20687
<b>UniProt ID:</b>	<u><a href="#">O70494</a></u>
<b>Cytogenetics:</b>	2 C3
<b>Gene Summary:</b>	<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 (2) is missing 2 exons from the 5' end compared to transcript variant 1, and it initiates translation from an in-frame, downstream non-AUG (AUA) codon, resulting in an isoform (2) with a shorter N-terminus compared to isoform 1.</p>