

## Product datasheet for **MR225779**

### Sp3 (NM\_001018042) Mouse Tagged ORF Clone

#### Product data:

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



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ORF Nucleotide  
Sequence:

>MR225779 representing NM\_001018042  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCGCTCCCGAAAAGCCCGTGAACAAGAGGAAATGGCTGCCTTGGACGTGGACGGCGCGGAGGCG  
 GCGGCGGCCACGGCGAGTATCTACAGCAGCAGCAGCAACAGCAGCAGCACGGAAACGGCGCGCGGC  
 GGCGGCGGCCCAGGACTCAGCCGTCACCGCTCGCTCTGCTGGCCGCTACCTGCAGCAAGATAGGGCCG  
 CCATCGCCGGGCGACGACGACGAGGAGGCGGCCGTTGCCGCCCGCGGGTCCCGCCGCCGCCGCCG  
 GAGCGACAGGTGATTTGGCTTCTGCACAGTTAGGAGGAGCACAAACCGATGGGAGGTTTTGTGACGTAC  
 ACCTACAATAAAAAGATGAAGCTGGAATCTAGTACAGATTCCAGGTGCTGCTACTTCAAGTGGGCGAG  
 TATGTCCTTCCCCTTCAAGATTTGCAGAATCAACAAATATTTTCAGTTGCACCAGGATCAGATTCATCAA  
 ATGGCACAGTGTCCAATGTTCAAGTAAACCACAAATTCAGTCAACAGACGCTCAGCAGGTTCA  
 GATTGGCTTACAGGCTCCTCAGATAATGGGGCATAAATCAAGAAAACAGCCAAATTCAGATCATTCT  
 GGCTCTAATCAAACCTTACTCGCCTCTGGAACCTCCTGCTAATATCCAGAATCTCATACCACAGACTG  
 GTCAGTCCAGGTTCAAGGAGTTGCAATTGGTGGCTCATCATTTCTGGCCAAACTCAAGTAGTCGCTAA  
 TGTGCCTCTTGGTCTGCCAGGAAATATTACCTTTGTACCAATCAATAGTGTGATCTAGATTCTTTGGGA  
 CTCTCGGGAAGTTCTCAGACAATGACTGCGAGCATTAAATGCCGATGGACATTTGATAAACACAGGACAAG  
 CTATGGATAGTTCAGACAATTCAGAAAGGACTGGTGAGCGGGTTTCTCCTGATGTTAATGAAACTAATGC  
 TGATACAGATTTATTTGTCCAACATCCTCTTCATCACAGTTGCCTGTTACAATAGATAGTACAGGTATA  
 TTACAGCAAAACACAAATAGCTTGACTACTACTAGTGGCAAGTCCATTCTCAGATCTTCAGGGAAAT  
 ATATCCAGTCGCCTGTTTCTGAAGAGACACAGGCTCAGAATATTCAGGTTTCTACAGCACAGCCTGTTGT  
 ACAACATCTACAACCTCAAGATTCTCAGCAGCCAACAGTCAAGCCCAAATTTGTCAAGGTATTACACCA  
 CAGACAATCCATGGCGTCAAGCCAGTGGTCAAAATATATCACAACAGGCTTTGCAAAACCTTCAGTTGC  
 AGCTGAATCCTGGAACCTTTTTAATTCAGGCACAGACAGTACCCTTCTGGACAGATAACTGGCAAAAC  
 ATTTCAAGTACAAGGGTCCAGAACTTACAGAATTTGCAATACAAAATACTGCTGCCCAACAAATTA  
 TTGACGCCTGTTACAGACTCACGCTTGGTCAAGTCGACGAGGTTGAGCCTTGACTTCAACTCCAGTCA  
 GTCTAAGCACTGGTCAGTTGCCAAATCTACAGACAGTTACAGTAAATCTATAGATTCTACTGGCATA  
 GCTACATCCAGGAGAGAATGCCGACAGTCTGCAGATATTAGGATCAAGGAAGAGGAACCTGACCCTGAA  
 GAATGGCAGCTCAGTGGTACTCTACACTGAACACCAATGACCTAACACATTTACGAGTACAAGTGGTAG  
 ATGAAGAAGGGGACCAACAACATCAAGAAGGAAAAAGACTTCGGAGGGTAGCTTGCACCTGTCCCAACTG  
 TAAAGAAGGTGGTGGGAGAGTACCAATCTTGGGAAAAAGCAACACATTTGTCATATACCGGGATG  
 GGTAAAGTCTATGGGAAGACCTCACATCTGAGAGCACACCTGCGTTGGCATTTCGGGGGAGCGCCCTTTA  
 TTTGTAAGTGGATGTTCTGTGGTAAAAGATTTACACGAAGTGTGAATTACAGAGGCACAGAAGAACACA  
 TACAGGTGAGAAGAAGTTTGTGTCCAGAATGTTCAAACGCTTTATGAGAAGTACCACCTTGCCAAA  
 CATATTAACACATCAAATAAAAAAGTCATTCACTCTAGCAGTACAGTGCATCTGTGGAAGCTG  
 GAAGAGATGATGCCTTGATTACTGCAGGAGGAACAACACTTATCCTTGCAATATTAACAGGGGTCTGT  
 GTCAGGGATAGGAACTGTCAATACTTCTGCCACCAGCAATCAAGACATCCTTACCAACACTGAAATACCT  
 TTACAGCTTGTCACAGTTTCTGGAATGAGACAATGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR225779 representing NM\_001018042  
 Red=Cloning site Green=Tags(s)

MTAPEKPVKQEEMAALDVGDDGGGGGGHGEYLQQQQQQQQHGNAAAAAQTQPSPLALLAATCSKIGP  
 PSPGDDDEEA AVAAAAGV PAAAAGATGDLASAQLGGAPNRWEVL SATPTTIKDEAGNLVQIPGAATSSGQ  
 YVLP LQNLQNLQIFSVAPGSDSSNGT VSNVQYQVIPQIQSTDAQQVQIGFTGSSDNGGINQENSQIQIIP  
 GSNQTL LASGTP PANIQNLIPQTGQVQVQGV AIGGSSFPQTQVVANVPLGLPGNITFVPINSVDLDSL  
 LSGSSQ TMTAGINADGHLINTGQAMDSSD NSERTGERVSPDVNETNADTDLFVPTSSSSQLPVTIDSTGI  
 LQQNTNSLTTTSGQVHSSDLQGN YIQSPVSEETAQNIQVSTAQPVVQHLQLQDSQQPTSQAQIVQGITP  
 QTIHGVA SGQNISQQALQNLQLNPGTFLIQAQTVTPSGQITWQTFQVQGVQNLQNLQIQNTAAQQIT  
 LTPVQTL TLGQVAAGGALTSTPVSLSTGQLPNLQTVTVNSIDSTGIQLHPGENADSPADIRIKEEPPDE  
 EWQLSGDSTLNTNDLTHLRVQVVDEEGDQHQEGKRLRRVACTCPNCKEGGGRGNL GKKKQHICHIPGC  
 GKVYVGTSHLRAHLRWHSGERPFCNWMFCGKRFTRSDQLQRHRTHTGEKKFVCPESKRFRMSDHLAK  
 HIKTHQNKVVIHSSSTVLASVEAGRDDALITAGGTTLILANIQQGSVSGIGTVNTSATSNDILNTEIP  
 LQLVTVSGNETME

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



**Reconstitution Method:**

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:** [NM\\_001018042.3](#), [NP\\_001018052.1](#)

**RefSeq Size:** 4191 bp

**RefSeq ORF:** 2352 bp

**Locus ID:** 20687

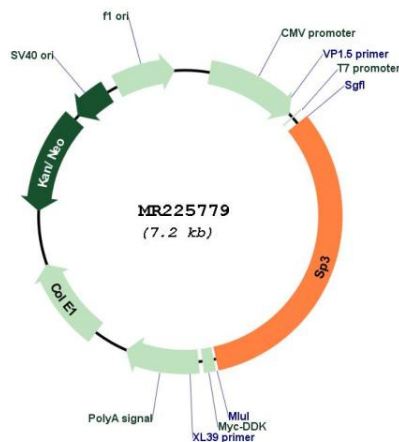
**UniProt ID:** [O70494](#)

**Cytogenetics:** 2 C3

**MW:** 82.8 kDa

**Gene Summary:** 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]

### Product images:



Circular map for MR225779