

Product datasheet for **MR207955**

Sp3 (BC027797) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sp3 (BC027797) 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:

>MR207955 representing BC027797
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACTGCAGGCATTAATGCCGATGGACATTTGATAAACACAGGACAAGCTATGGATAGTTCAGACAATT
CAGAAAGGACTGGTGAGCGGGTTTCTCCTGATGTTAATGAACTAATGCTGATACAGATTTATTTGTGCC
AACATCCTCTTATCACAGTTGCCTGTTACAATAGATAGTACAGGTATATTACAGCAAAACACAAATAGC
TTGACTACTACTAGTGGCAAGTCCATTCTCAGATCTCAGGAAATTATCCAGTCGCCTGTTTCTG
AAGAGACACAGGCTCAGAATATTCAGGTTTCTACAGCACAGCCTGTTGTACAACATCTACAACCTCAAGA
TTCTCAGCAGCCAACCAGTCAAGCCAAATTGTGCAAGGTATTACACCACAGACAATCCATGGCGTGCAA
GCCAGTGGTCAAATATATCACAACAGGCTTTGCAAAACCTTCAGTTGCAGCTGAATCCTGGAACCTTTT
TAATTCAGGCACAGACAGTGACCCCTTCTGGACAGATAACTTGGCAAACATTTCAAGTACAAGGGTCCA
GAACTTACAGAATTTGCAAAACAAAATACTGCTGCCAAACAAATTACTTTGACGCCTGTTCAGACTC
ACGCTTGGTCAAGTCGCAGCAGGTGGAGCCTTGACTTCAACTCCAGTCAGTCTAAGCACTGGTCAGTTGC
CAAATCTACAGACAGTTACAGTAAATTTCTATAGATTCTACTGGCATAACAGCTACATCCAGGAGAGATGC
CGACAGTCCTGCAGATATTAGGATCAAGGAAGAGGAACCTGACCCCTGAAGAATGGCAGCTCAGTGGTGAC
TCTACACTGAACACCAATGACCTAACACATTTACGAGTACAAGTGGTAGATGAAGAAGGGGACCAACAAC
ATCAAGAAGGAAAAAGACTTCGGAGGGTAGCTTGACCTGTCCAACTGTAAAGAAGGTGGTGGGAGAGG
TACCAATCTTGGGAAAAAGAAGCAACACATTTGTCATATACCGGGATGTGGTAAAGTCTATGGGAAGACC
TCACATCTGAGAGCACACCTGCGTTGGCATTGGGGGAGCGCCCTTTTATTTGAACTGGATGTTCTGTG
GTAAAAGATTTACACGAAGTGATGAATTACAGAGGCACAGAAGAACACATACAGGTGAGAAGAAGTTTGT
TTGTCCAGAATGTTCAAACGCTTTATGAGAAGTGACCACCTTGCCAAACATATTTAAACACATCAAAT
AAAAAAGTCATTCACTCTAGCAGTACAGTGCTCGCATCTGTGGAAGCTGGAAGAGATGATGCCTTGATTA
CTGCAGGAGGAACAACACTTATCCTTGCAAATATTCAACAGGGGTCTGTGTGAGGATAGGAACTGTCAA
TACTTCTGCCACCAGCAATCAAGACATCCTTACCAACACTGAAATACCTTTACAGCTTGTACAGTTTCT
GGAATGAGACAATGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:

https://cdn.origene.com/chromatograms/mm9033_a01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: BC027797

ORF Size: 1488 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [BC027797](#), [AAH27797](#)

RefSeq Size: 3188 bp

RefSeq ORF: 1490 bp

Locus ID: 20687

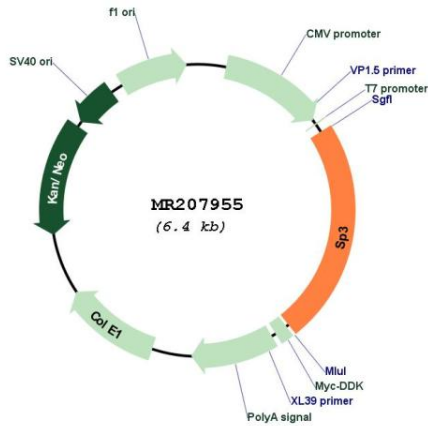
Cytogenetics: 2 C3

MW: 116.8 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 MR207955