

Product datasheet for **MC210227**

Sp5 (NM_022435) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sp5 (NM_022435) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sp5
Synonyms: MGC144801; MGC144802
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210227 representing NM_022435
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGCTGTGGCCGTCTCCGGAACGACTACTGCAGGCCTTCTCCAGGACCGACCCCCAGCGCT
CCCCGGACCTGGCAAGCACTCGCCCTGGCGTGTGGCCGCCACCTGTAGCCGGATCGCCAGCCCGG
CGCTGCGCGGGCACCCGACTTCTTCAGGTGCCCTATGACCCAGCGCTGGGTTACCCCTCCAGACTTTTC
CACCTTTGGACTGCCGACATGCCCGCGCACTCGCCAGGCGCCCTGCCGCCCCACACCCAGCCTGGGGC
TGACGCCCGCAGAAAACACACCTGCAGCCGTCTTCGGGGCAGCCACGAGCTCCCCTCACGCCCCCCGC
GGATCCGTTCGTACCCCTTACGAGTTCTCGCCGGTCAAGATGCTGCCCTCGAGCATGGCTGCTGCTGCC
AGCTGCGCGCCCGCTACGTGCCCTACGCCCGCGCAGGCCGCGTTGCCCGGGGCTACTCCAACCTGCTGC
CCCCGCCCGCCACCGCTCCACCGCCACCTGCCGCCAGTTATCCCCCGCCCGGCTCCGGACGACCT
CCCCTGGTGGAGCATCCCGCAATCGGGCGCGGGCCGGGAGCTCCGGGGTTCCAGGGACCAGCCTCTCC
AGCGCTGTGCCGACCTCCCCACGCTCCCCGCTTCCCTGCCTCAGCCCGCGTGTGTCAGCGCGGCTG
CTGCCCTGCAACGGGGTCTAGTGTGGGCCCGTCGGACTTGCACAGTACCAGAGCCAGATCGCCCGCT
GCTGCAGACCAAGCCCCCTGGCGGCCACGGCCAGGAGGTGCCCGCGTGCCTGCCCCAACTGCCAG
GCGGCTGGCGGTGCCCGGAGGCGGAACCGGGCAAAAAGAAGCAACACGTGTGCCACGTGCCAGGCTGTG
GCAAGGTGTACGGCAAAACGTGCGACCTGAAGGCGCACCTGCGCTGGCACACGGGCGAGCGGCCCTTCGT
GTGCAACTGGCTTCTGCGGCAAGAGCTTACGCGCTCGGACGAGCTGCAGCGGCACCTGCGGACTCAC
ACGGGCGAGAAGCGCTTTCGCTTGTCCCGAGTGGCGCAAACGCTTTCATGCGAAGCGATCACCTCGCCAAGC
ACGTGAAGACGCACAAAATAAGAAGCTCAAAGTTCGCTGAGGCCGGGTGAAGCGGGAGAATCCCGGGGA
CCTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_022435
Insert Size:	1197 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_022435.2</u> , <u>NP_071880.1</u>
RefSeq Size:	2097 bp
RefSeq ORF:	1197 bp
Locus ID:	64406
UniProt ID:	<u>Q9JHX2</u>
Cytogenetics:	2 41.49 cM
Gene Summary:	Binds to GC boxes promoters elements. Probable transcriptional activator that has a role in the coordination of changes in transcription required to generate pattern in the developing embryo.[UniProtKB/Swiss-Prot Function]