

Product datasheet for **MG218829**

Sp6 (NM_031183) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Sp6 (NM_031183) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Sp6 |
| Synonyms: | 1110025J03Rik; AA591031; AI592962; Epfn; Klf14 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG218829 representing NM_031183 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCTAACCGCTGTCTGTGGCTCTCTGGGCAGCCAGCACACCGACGCGCCTCACGCTTCACCGCCGCGCC
 TCGACCTGCAACCTCTCCAGACATACCAGGTCACACGAGCCCGAGGCTGGGGACTACCCCTCCCCGCT
 GCAGCCTGGAGAGCTGCAGAGCCTCCGCTGGGCCCGAGGTAGACTTTTCACAGGGCTATGAGTTGCCA
 GGAGCCTCCTCGCGGTAACCTGCGAGGACCTGAAAAGTGACAGTCCCTTGGCACCGGGACCTTTTCCA
 AGCTCCTGCAGCCGACATGTACACCACTATGAATCGTGGTTCCGGCCGACTCACCCAGGCACAGAGGA
 TGGCTCGTGGTGGACCTTCATCCCGGCACAGCTGGATGGACCTCCCCATACTCAGGGAGCGCTGACC
 TCACCTGGCCATCCGGGGCGCTTCAGCCTGCTTTGGGAGGATACGTCCGAGACCATCAGCTCTGTGCTC
 CGCCGCCCCACCCGCACCCGCACCACTCTCCAGCCGCTGGTGGGCAGCACCTTCTGGGGCCACCCGA
 CGGGGCTAAGGCCTTGAAGCGGCCGACAAGAGTCCCAAGGGCTGGATTCCAGTCTGGATGCAGCGTCC
 CGACCCAAAGGCTCCCGGCGATCTGTTCCCGCAGCTCAGGGCAGACCGTGTGTCGCTGCCCAACTGCC
 TGGAGGCGGAGCGACTCGGGCTCCGTGCGGGCCCGATGGGGCAAGAAGAAGCATTTGCACAACGCCA
 CATCCCAGGCTGCGGCAAGGCATACGCTAAGACGTCGCATCTGAAGGCGCACCTGCGGTGGCACAGCGGT
 GACCGACCTTCGTGTGCAACTGGCTTTCTGCGGCAAGCGCTTCACGCGCTCCGACGAGCTGCAGCGCC
 ACCTTCAGACCCACACCGGGACCAAGAAGTTCCTGTGCGGTCTGCAGCCGAGTCTTCATGCGCAGCGA
 CCACCTGGCCAAACATGAAAACCCACGAAGGCGCCAAAGAGGAGGCGCGCGCGGCCCAAGGCGAG
 GGCAAGGCCGGTGGCTGGTGGACCAACCGGGGCAAGGCAACGTGAGGCCGAAGGCAGCTCGGCGT
 CCTCCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG218829 representing NM_031183
 Red=Cloning site Green=Tags(s)

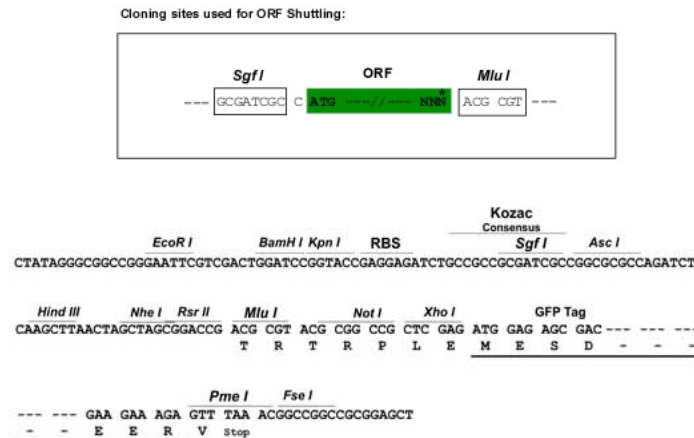
MLTAVCGSLGSQHTDAPHASPPRLDLQLQTYQGHTSPEAGDYPSPLQPGELQSLPLGPEVDFSQGYELP
 GASSRVTCEDESPLAPGPFKLLQPDMSHHYESWFRPTHPTGEDGSWWDLHPGTSMMDLPHQTGALT
 SPGHFGALQPALGGYVDHQLCAPPHPHPHLLPAAGGQHLLGPPDGAKALEAAQAESQGLDSSLDAAS
 RPKGSRRSVPRSSGQTVCRPCNLEAERLGAPCGPDGGKKKHLHNCHIPGCGKAYAKTSHLKAHLRWHSG
 DRPFVCNWLFCGKRFTSRDELQRHLQTHGTGKKFPCAVCSRVMRSDHLAKHMKTHEGAKEEAAAAAQGE
 GKAGGVVEPPGGKKGKREAGSSASSN

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_031183

ORF Size: 1128 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: [NM_031183.2](#), [NP_112460.1](#)

RefSeq Size: 3375 bp

RefSeq ORF: 1131 bp

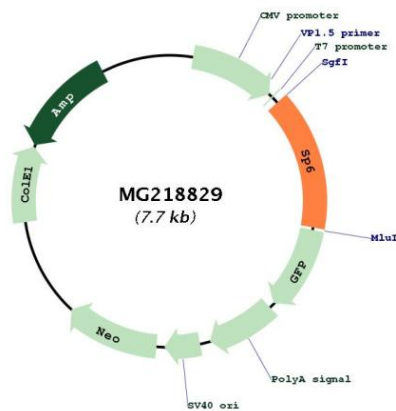
Locus ID: 83395

UniProt ID: [Q9ESX2](#)

Cytogenetics: 11 D

Gene Summary: Promotes cell proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG218829