

## Product datasheet for **MG208566**

### Sp140 (BC069971) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sp140 (BC069971) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sp140
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208566 representing BC069971  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGGAGGCTACAATGAACTCAGCAGCAGGACAATCCAGAGGACCAGAATGAAGAGGAGTCAGATG  
 ACTATCAGCTCATGTTCAAGCACTTCAAAGAAAACAAGGTGGAGATCGCAAGTGCCATCACCAAGCCGTT  
 TCCTTTCCTCATGAGCCTTCGAGACCGAGACTTCTCCTCGGAGCAGAAGTTTCAGGAATATCAAGAAAACA  
 TGTAAGAACCTGGTCCCAGTGGAGAGAGTCGTGTACGACATCCTCAGCAATGTACAGAAGAAGTTTAGCC  
 GGGATCTTCTGAAAGTGATATTCAGCAAAAACACATCTGAAGGCCTACCCCGACTTAAAGGAGACTCTAAA  
 ACACCTTCTTCTAAATGCATCCAAAACGAATGATGAACAAGCAGAGGAGATGCAATGCAATGGAGGAGAG  
 GGAAGTAATTCTGTGAACAAACAAGACAACAAGACAAGAGCCCGAGGATGACCTGCCCTCATCCCTGA  
 GACAAGAAGCAGGAGCACAGCAACCCACACGTGAAAAGAAGTGTCTGTGTATATGTTCCCAACATA  
 TGTGCCAGAAGACCTGGAAGCAAGGATGGGAAGCAGCCAAGGAGAATGTGTGGCACCAGGAGGAACATT  
 CCTGCAAGAAAACCAAGAAGCAGAGAAGAAAAAGAAAGGCCACAACCTGGTCAAAACCAAGATGGAGAA  
 AGCCAATGAGTGTACAGAGAAAACGTCTAAGAAGACGCAGAAAAGAAAATGCCAATTTTAGTGCTGAGTT  
 GCTTCCCGTGACGTGTGGTAACTTGAAGGGAGTGTACACAAGGAAAAATCAAACAAGGGATATCTGTG  
 AAGTCCATACAGTGTGAGAACTGGTTCACACCCTCGAAATTTGAAATGATGGGAGGCTATGGAA  
 AGTCAAAGAACTGGAAGTGAAGTGGCTGCCATAATTGGCCCTGAAACTCCTGATCCAGAGAAATTT  
 TCTACCAATCCTCCACGGATACATCGCAAAAAGAAAGAGCAGAGAACACAGAATTGCATCGTTCCCA  
 GCTGACCTTAGTATTCAGAACTCAGATAAATGTGAGGTGTGCCGGGATGGAGGATTACTCTTCTGCTGTG  
 ATACTTGTTCAGAGCCTTCCATGAGGACTGTATATCCCAACAGTGAAGCTGAGATAACACCATTGGAG  
 TTGCATCTTCTGTAGGATGCAGTCTTAGGAAGTCAACCGAGTCTTCCAGAATCTGAGATACTGCAGAGG  
 GAGATGGCTCCCAAGAACAGTTGAAGTGTGAGTATGTTCTTGTGAGAGTCTATTGCTGTTCTGAGAGCT  
 CCTTTTTTCCAAGATGCCATATTATTATTTTAGAGAGATGACTGTGAGTGTGCAAGAGCCTATGTG  
 GTTGGACATAATCAAGAAAAAGCTGAGTGACCAGGCTTACTGCCAAGTAGAAGACTTTGTGCAAGACATG  
 AGGCTCATCTCCGGAATCACAAAATCACGTTCAAGGACCCTAAGTTTGGCGAAATGGGATTTAGACTGG  
 AGTCCAAGTTTGAGAAGAGTTTCAAGGAAGTGTGCTATTTCAGGAAACAAATGAAAAGAGT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG208566 representing BC069971  
 Red=Cloning site Green=Tags(s)

MAGGYNELSSRTIPEDQNEEESDDYQLMFKHFENKVEIASAITKPPFLMSLRDRDFISEQKFQEYQET  
 CKNLVPERVVYDILSNVQKKFSRDLLKVIKSKTHLKAYPDLKETLKHFFLNASKTNDEQAEEMQCNGGE  
 GSNPCEQTRQTRQEPQDDLPSLRQEAQAQPTREKKKSCVICSPYVPEDEARMGSSQGEVGTNRNI  
 PARKPKKQRRKKKGHNWSKPRWRKPMQVQRKRLRRRRKENANFSAELLPVTCGNLKGVLHKEKFKQGISV  
 KSIQCQNGWFTPSEFEMMGYKSKNWKLSLRCHNWPLKLLIQRNFLPNPPRIHRKRKEQRTQNLHRSP  
 ADPSIQNSDKCEVCRDGLLFCDDTFCFRAFHECHIPTVEAEITPWSICFCRMQSLGSPSLPESEILQR  
 EMAPQEQLKCEYVLLRVYCCSESSFFSKMPYYYYFREMTVSVQEPMWLDI IKKKLSDQAYCQVEDFVQDM  
 RLIFRNHKITFKDPKFGEMGFRLESKFEKSFKEVFAIQETNEKS

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC069971

**ORF Size:** 1602 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

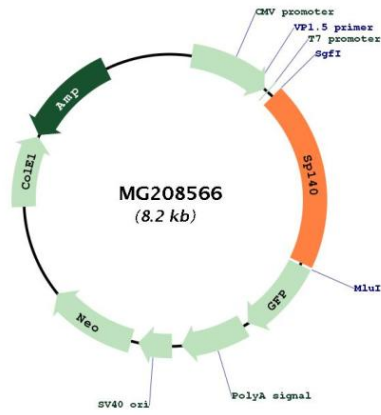
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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: BC069971, AAH69971  
 RefSeq Size: 2439 bp  
 RefSeq ORF: 1604 bp  
 Locus ID: 434484  
 Cytogenetics: 1 C5

**Product images:**



Circular map for MG208566