

Product datasheet for **MG205082**

Sh3yl1 (BC010296) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3yl1 (BC010296) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sh3yl1
Synonyms:	Ray, YSC84
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205082 representing BC010296 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAATAACCCGATACCTTCTAATCTGAAATCAGAAGCAAAGAAGGCTGCCAAAATATTAAGAGAATTCA
CAGAAATAACTTCTAGAAATGGACCTGATAAGATCATTCTGCCACGTGATTGCAAAAGCTAAAGGTCT
TGCAGTTTTGTCTGTGATTAAGCCGGGTTTCTGGTCACAGCCAGGGGAGGCAGTGGGATTGTCCTGGCG
CGTCTTCCGGATGAAAATGGTCTGCACCTTCAGCCATTGGGATAGCTGGGCTTGGTGGAGGATTTGAAA
TAGGAATAGAGGTATCCGATTTGGTGATAATTCTGAATTATGACAGAGCAGTAGAAGCCTTTGCAAAGGG
TGGAAACCTGACCCTTGGAGGGAATTTTACTGTGCGAGTTGGGCCCTAGGCAGGAACCTGGAAGGCAAC
GTGTCCCTGAGGAGCTCCGCAGCCGTCTTCACATACTGCAAGTCCAGGGGCCCTTTGCTGGTATCTCCC
TGGAAGGAAGCTGTCTGATTGAGAGGAAAGAAACCAATCGGAAATTTTACTGTGTCAGGACATTCGAGCTTA
CGACATTTTATTTGGAGATGTTCCGCAGCCTGCTCAAGCAGAAGATCTTTATGAAATCTTAATTCCTTC
ACTGAGAAATATGAACTGAAGGCGAGCGCATCAATTTGAAGAAAGTAGCCCGGAGCAGAGGAAGGCCA
AAGAATTACCTCCAAAACCATCTTCAAGGCCCGAGCCAGCCACCCACCTGTACAGCTGAATGCTGGCTC
CCAGGGTAATAGAAATGAATATAAGCTATATCTGAGCTTTCTAGCTATCATGAGAAAACCTGGCAATTTG
AATCAACCAATAGAAGTGACAGCATTATACTCTTTCGAAGGACAACAGCCAGGAGACTTGAATTTTCAAG
CAGGAGACAGAATCATAGTTATATCAAAGACCGACTCAAATTTTGATTGGTGGGAAGGAAAACCTCGAGG
TCAAACCTGGAATTTCCAGCCAACCTATGTAACCTATGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG205082 representing BC010296
 Red=Cloning site Green=Tags(s)

MNNPIPSNLKSEAKKAAKILREFTEITSRNGPDKIIPAHVIAKAKGLAVLSVIKAGFLVTARGGSGIVLA
 RLPDGKWSAPSAIGIAGLGGGFEIGIEVSDLVIILNYDRAVEAFKGGNLTGGNFTVAVGPLGRNLEGN
 VSLRSSAAVFTYCKSRGLFAGISLEGSLIERKETNRKFYQDIRAYDILFGDVPQPAQAEDLYEILNSF
 TEKYETEGQRINLKKVAREQRKAKELPPKPSSRPQPAHPPVQLNAGSQGNRNEYKLYPELSSYHEKTGNL
 NQPIEV TALYSFEGQQPGDLNFQAGDRIIVISKTDNFDWWEGLRGQTGIFPANYVTMN

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC010296

ORF Size: 1020 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: BC010296, AAH10296

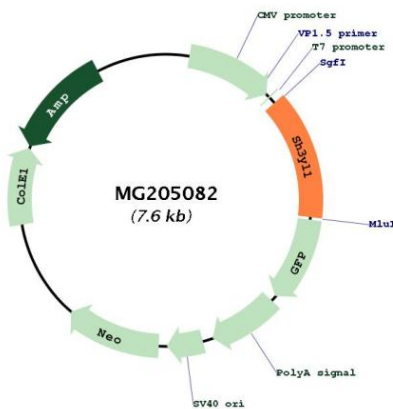
RefSeq Size: 1333 bp

RefSeq ORF: 1022 bp

Locus ID: 24057

Cytogenetics: 12 A2

Product images:



Circular map for MG205082