

Product datasheet for **MG221227**

Styxl1 (NM_029659) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Styxl1 (NM_029659) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Styxl1
Synonyms:	1700011C14Rik; Dusp24; Mkstyx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221227 representing NM_029659 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGACCTGCTTTTCTGCGAGCCAACAGAACTCTATAACATCTTGAATCAGGTCTCCAAGCTGTCCA
GATTGGCTGAGCCCAACTACCTCTGTTTACTGGATGTCCGATCAAACGACAGTATGACGAGAGCCATGT
GATCACTGCCCTCAGAGTGAAGAAGCGAGATCATCAGTACCTCATCCCGAGTCCGTAGACCTGGAGTGT
GTGAGATACTGCATCGTGTACGACAGCAACACCAGTTCCTGGAGCTGTGCATACGGCGGCAGCTGGAGG
AGGAGGAAGAGGAGGAGGAGGTAGAAAGAGAGGACAAGGAGGAGGACACTGAACTCCTACCTGGACCTGC
TGTGGAATTTGGACAAATCCTCATTCACTTTACCCGCCAACCTGTCTATGTCTCAGAGGGGGCTATGAA
TGCTTCTCTGGCATGTACCACTTCTCCGGACTCAGAAGATCATCTGGATGCCCCAGGAACTGGATGCCCT
TCCAGCCATACCCAGTTGAGATACTTCCAGGCAGAGTCTACCTGGGCAAAATCAGTCAAGCCTGCAATGC
TAAGATGCACAAGGACTTGAAAATTAAGCACATGTCAATATTTCCATGGAGACAACACCCTATTTTATA
GGCAATGCAGACAAGCTTTACATATCAAGCTTGAGGATTCTCCAGACACCTTGCTTTTGGACTATTTCC
GCCACATCTGTCACTTTATAGAACTTCACTCAGGCTCCACTCTGTCGTTCTGGTCTTTCCACCCGGGG
CATCAGCCGACGCTTGTGCTGTGGTGGCCTTACTCATGCATTATAATGAGGAGACGCTGAAGAGGTCC
TGGGCCAAGTGAAGAAATGCAAACCAACATGCGTCCGAATCGGGCCTTCGTGGCTCAGCTGCTGGAGT
GGGAGAAAAGTCTCCATGGGGAATATCTCACAGACATCTCCGAGCCTATCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221227 representing NM_029659
 Red=Cloning site Green=Tags(s)

MADLLFCEPTEL YNILNQVSKLSRLAEPNYLCLLDVRSKRQYDESHVITALRVKKRDHQYLIPESVDLEC
 VRYCIVYDSNTSSLELCIRRQLEEEEEEEVEREDKEEDTELLPGPAVEFGQIL IHFTRQPVYVLRGGYE
 CFSGMYHFFRTQKIIWMPQELDAFQYPYVEILPGRVYLKISQACNAKMHKDLKIKAHVNI SMETTPYFI
 GNADKLLHIKLEDSPDTLLFDYFRHICHFIELHLRLHSSVVLVFSTRGISRSVAAVVALLMHYNEETLKRS
 WAQYKKCKTNMRPNRAFVAQLLEWEKVLHGEYLTDI SEPIY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_029659

ORF Size: 963 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_029659.4](#), [NP_083935.3](#)

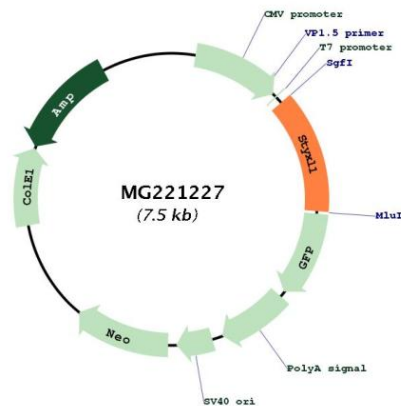
RefSeq Size: 1677 bp

RefSeq ORF: 966 bp

Locus ID: 76571

Cytogenetics: 5 G2

Product images:



Circular map for MG221227