

Product datasheet for **MR229232**

Styxl1 (NM_001289555) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Styxl1 (NM_001289555) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Styxl1
Synonyms:	1700011C14Rik; Dusp24; Mkstyx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229232 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGACCTGCTTTTCTGCGAGCCAACAGAACTCTATAACATCTTGAATCAGGTCTCCAAGCTGTCCA
GATTGGCTGAGCCCAACTACCTCTGTTTACTGGATGTCCGATCAAACGACAGTATGACGAGAGCCATGT
GATCACTGCCCTCAGAGTGAAGAAGCGAGATCATCAGTACCTCATCCCGAGTCCGTAGACCTGGAGTGT
GTGAGATACTGCATCGTGTACGACAGCAACACCAGTTCCTGGAGCTGTGCATACGGCGGCAGCTGGAGG
AGGAGGAAGAGGAGGAGGAGGTAGAAAGAGAGGACAAGGAGGAGGACACTGAACCTCTACCTGGACCTGC
TGTGGAATTTGGACAAATCCTCATTCACTTTACCCGCCAACCTGTCTATGTCTCAGAGGGGGCTATGAA
TGCTTCTCTGGCATGTACCATTCTTCCGGACTCAGAAGATCATCTGGATGCCCCAGGAACCTGGATGCCCT
TCCAGCCATACCCAGTTGAGATACTTCCAGGCAGAGTCTACCTGGGCAAAATCAGTCAAGCCTGCAATGC
TAAGATGCACAAGGACTTGAAAATTAAGCACATGTCAATATTTCCATGGAGACAACACCCTATTTTATA
GGCAATGCAGACAAGCTTTACATATCAAGCTTGAGGATTCTCCAGACACCTTGCTTTTGGACTATTTCC
GCCACATCTGTCACTTTATAGAACTTCACTCAGGCTCCACTCTGTCTGTTCTGGTCTTTCCACCCGGGG
CATCAGCCGACGCTTGTGCTGTGGTGGCCTTACTCATGCATTATAATGAGGAGACGCTGAAGAGGTCC
TGGGCCCAAGTGAAGAAATGCAAACCAACATGCGTCCGAATCGGGCCTTCGTGGCTCAGCTGCTGGAGT
GGGAGAAAGTCTCCATGGGGAATATCTCACAGACATCTCCGAGCCTATCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229232 protein sequence
Red=Cloning site Green=Tags(s)

MADLLFCEPTEL YNILNQVSKLSRLAEPNYLCLLDVRSKRQYDESHVITALRVKKRDHQYLIPESVDLEC
 VRYCIVYDSNTSSLELCIRRQLEEEEEEEVEREDKEEDTELLPGPAVEFGQIL IHFTRQPYYVLRGGYE
 CFSGMYHFFRTQKIIWMPQELDAFQYPYVEILPGRVYL GKISQACNAKMHKDLKIKAHVNI SMETTPYFI
 GNADKLLHIKLESDPTLLFDYFRHICHFIELHLRLHSSVVLVFSTRGISRSVAADVALLMHYNEETLKRS
 WAQVKKCKTNMRPNRAFVAQLLEWEKVLHGEYLTDI SEPIY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001289555

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_001289555.1](#), [NP_001276484.1](#)

RefSeq Size: 1667 bp

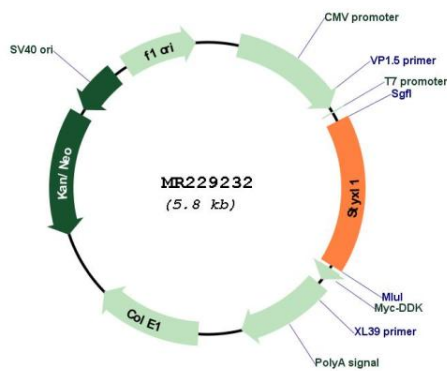
RefSeq ORF: 966 bp

Locus ID: 76571

Cytogenetics: 5 G2

MW: 37.7 kDa

Product images:



Circular map for MR229232