

Product datasheet for **MG202512**

Txn14a (BC014770) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Txn14a (BC014770) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Txn14a
Synonyms:	D18Wsu98e; Dim1; ENSMUSG00000057130; Txn14; U5-15kD; U5-15kDa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202512 representing BC014770 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACATCCGCCGGCTCGGCCAGATGACCTGATGAACATGCAGCACTGCAACCTGCTGTGCCTGCCCG
AGAACTACCAGATGAAGTACTACTTCTATCATGGCCTCTTTGGCCCCAGCTCTCTACATTGCTGAGGA
CGAGGATGGGAAGATTGTGGGCTATGTCTTGCCCAAGATGGAGGAGGACCCCGATGATGTCCCTCACGGA
CACATCACCTCGCTGGCTGTGAAACGCTCCACCAGCCGCTCGGCTGGCCAGAAGCTCATGGACCAGG
CTTCCAGGGCCATGATTGAGAATTTCAGCGCTAAGTATGTATCCCTGCATGTCAGGAAGAGCAACCGGGC
GGCTCTGCACCTGTATTCCAACACCCCTGAACCTCCAGGTTAGCGAGGTGGAGCCCAAGTACTATGCAGAT
GGGGAAGACGCGTATGCTATGAAGCGAGATCTCTCGCAGATGGCCGATGAGCTGAGACGGCAGCTGGTGC
TGAAGAAAGGCAGATATGTGGTTCTGGGCTCCAAGGAGAATCAGGGTAGCACACTTCTGGTTCTGAAGA
GGCCAGTCAGCAGGAGAACCTGGCCGAGGTGACAGTGGTAGTGATGGCAAAGACAGCACTGATGTCCAA
GACAGCTTGCAGACCCTAGGGTCCGCCTCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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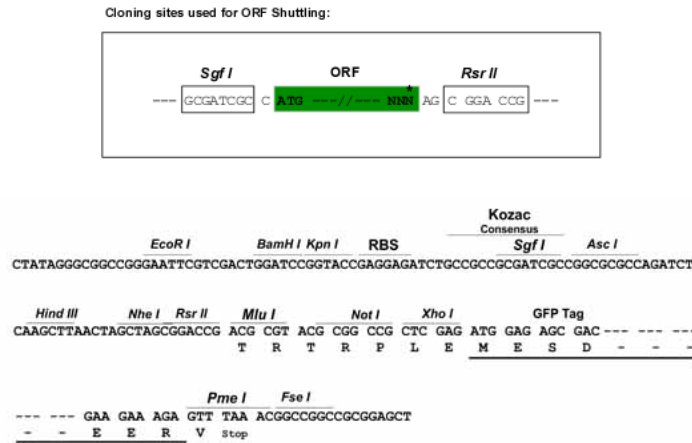
Protein Sequence: >MG202512 representing BC014770
 Red=Cloning site Green=Tags(s)

MNIRRARPDDLMMQHCNLLCLPENYQMKYFYHGLSWPQLSYIAEDEDGKIVGYVLAKMEEDPDDVPHG
 HITSLAVKRSHRRLGLAQKLMDAQSRAMIENFSAKYVSLHVRKSNRAALHLYSNTLNFQVSEVEPKYYAD
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 DSLQTLGSAS

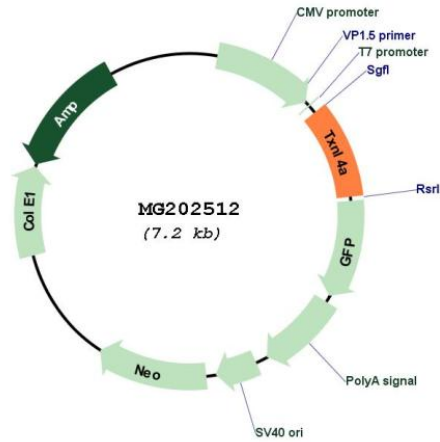
SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: BC014770

ORF Size: 662 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:	<ol style="list-style-type: none">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:	BC014770 , AAH14770
RefSeq Size:	1654 bp
RefSeq ORF:	662 bp
Locus ID:	27366
Cytogenetics:	18 53.34 cM
Gene Summary:	Plays role in pre-mRNA splicing as component of the U5 snRNP and U4/U6-U5 tri-snRNP complexes that are involved in spliceosome assembly, and as component of the precatalytic spliceosome (spliceosome B complex).[UniProtKB/Swiss-Prot Function]