

Product datasheet for **MR200918**

Txn14a (NM_025299) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Txn14a (NM_025299) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Txn14a
Synonyms: D18Wsu98e; Dim1; ENSMUSG00000057130; Txn14; U5-15kD; U5-15kDa
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200918 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGTACATGCTTCCGCATCTGCACAATGGCTGGCAGGTAGACCAGGCCATCCTTTCGGAGGAGGACC
GCGTGGTCGTCATTTCGTTTCGGACACGACTGGGACCCCACTTGCATGAAGATGGACGAGGTTCTGTACAG
CATCGCCGAAAAGGTTAAAAATTTGCAGTTATTTATCTTGTGGATATTACAGAAGTGCCTGACTTCAAC
AAGATGTACGAGCTGTATGACCCCTGCACTGTCATGTTCTTCTCAGAAACAACATATCATGATTGATT
TGGGCACTGGCAACAACAAGATCAACTGGCCATGGAAGACAAGCAAGAAATGGTTGACATCATAGA
GACCGTGTACCGTGGCGCCCGCAAAGGCCGGGGTCTGGTGGTGTCTCCAAGGACTATTCTACCAAGTAC
AGATAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200918 protein sequence
Red=Cloning site Green=Tags(s)
MSYMLPHLHNGWQVDQAILSEEDRVVIRFGHDWDPTCMKMDEVLYSIAEKVKNFAVIYLV DITEVPDFN
KMYELYDPCTVMFFFRNKHIMIDLGTGNNKINWAMEDKQEMVDIIETVYRGARKGRGLVSPKDYSTKY
RY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_025299

ORF Size: 429 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_025299.4](#)

RefSeq Size: 4071 bp

RefSeq ORF: 429 bp

Locus ID: 27366

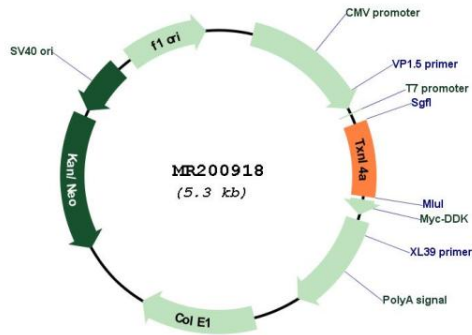
UniProt ID: [P83877](#)

Cytogenetics: 18 53.34 cM

MW: 16.8 kDa

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]

Product images:



Circular map for MR200918