

## Product datasheet for **MC226826**

### **TxIng (NM\_001290778) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TxIng (NM\_001290778) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TxIng  
**Synonyms:** 4932441K18Rik; Fiat; Lrp  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226826 representing NM\_001290778  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGACTCGGCTTGAGGAGGTAACGCGAGGAAGAGGCGCGGTACTGAGGAGGCTAGTGAGGGCGGAC  
 GGGGCGGACGGCGACGTAGCCCCCGCAGAAGTTTGAATTGGCACAATGGAAGAAGCTAGAATTTGTGG  
 GTTAGGAGTAAAAGCAGACATGGTATGTAACCTCAAGCAAATGATATTCTTCAACATCAAGACCCAGT  
 TGTGGTGGCACAATAAGAAACATTCACCTGGAAGGGGATGAAGGCAGTGACTTTATTACAAAGAACAGAA  
 ATTTGGTGAAGCTCAGTATTCTGTACACAGGAGAAAAGAGAAGAAATTCCTGGACGAGAAGCTCGAACAGG  
 TCCTCCTGATGGCCAGCAAGATTCAGAGTGCAGCAGGAACAAAGAGAAGACCTTAGGAAAAGAAGTTTTA  
 TTAAGTATGCAAGCGCTAAACACCCTTTCAACCCAGAGGAGAAGCTGGCAGCTCTCTGTAAGAAATATG  
 CTGATCTCCTGGAAGAAAGCAGGAATGTTCCAGAAACAAATGAAGATTCTGCAGAAGAAGCAAGCCAGAT  
 TGTGAAAGAGAAAGTTACCTTCAGAGTGAACACAGCAAGGCCATCTTGGCAAGAAGCAAACTGGAATCT  
 CTTTGCAGGAACTTCAGCGTCATAATAAGACCTTAAAGGAGGAGAATATGCAGCAGGCACGAGAGGAGG  
 AAGAACGACGTAAGAAGCAACAGCACATTTCCAGATAACTCTAAATGAAATCCAAGCTCAGTTGGAACA  
 ACATGACATCCACAATGCCAACTGCGACAGGAGAACATTGAAGTGGGAGAGAAGTTGAAGAAGCTTATT  
 GAGCAGTATGCACTAAGGGAAGAGGTAATATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001290778  
**Insert Size:** 873 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001290778.1</a></u> , <u><a href="#">NP_001277707.1</a></u>
<b>RefSeq Size:</b>	2800 bp
<b>RefSeq ORF:</b>	873 bp
<b>Locus ID:</b>	353170
<b>Cytogenetics:</b>	X F4
<b>Gene Summary:</b>	May be involved in intracellular vesicle traffic (By similarity). Inhibits ATF4-mediated transcription, possibly by dimerizing with ATF4 to form inactive dimers that cannot bind DNA. May be involved in regulating bone mass density through an ATF4-dependent pathway. May be involved in cell cycle progression.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) lacks multiple 3' coding exons and its terminal exon extends past a splice site used in variant 1, resulting in a different 3' coding region and 3' UTR. The encoded isoform (4) has a distinct C-terminus and is shorter than isoform 1.