

## Product datasheet for **MC217533**

### **TxIng (NM\_178935) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TxIng (NM_178935) 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



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**Fully Sequenced ORF:** >MC217533 representing NM\_178935  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGACTCGGCTT**GAGGAGGT**AACGCGAGGAAGAGGCGCGGTACTGAGGAGGCTAGTGAGGGCGGAC  
 GGGCGGACGGGACGTAGCCCCCGCAGAAGTTT**GAAATT**GGCACAATGGAAAGAAGCTAGAAATTTGTGG  
 GTTAGGAGTAAAAGCAGACATGGTATGTA**ACTCT**CAAGCAAATGATATTCTTCAACATCAAGACCCCACT  
 TGTGGTGGCACA**ACTAAGAA**CAATTC**ACT**GGAAGGGGATGAAGGCAGTGACTTTATTACAAAGAACAGAA  
 ATTTGGT**GAGCTCAGT**ATTCTGTACACAGGAGAAAAGAGAAGAAATTCCTGGACGAGAAGCTCGAACAGG  
 TCCTCCTGATGGCCAGCAAGATTCAGAGTGCAGCAGGAACAAAGAGAAGACCTTAGGAAAAGAAGTTTTTA  
 T**ACT**GATGCAAGCGCTAAACACCCTTTCAACCCAGAGGAGAAGCTGGCAGCTCTCTGTAA**GAAT**ATG  
 CTGATCTCCTGGAAGAAAGCAGGAATGTT**CAGAA**CAAAATGAAGATTCTGCAGAAGAAGCAAGCCAGAT  
 TGTGAAAGAGAAAGTT**CACCTT**CAGAGTGAACACAGCAAGGCCATCTTGGCAAGAAGCAA**ACT**GGAATCT  
 CTTTGCAGGGA**ACTT**CAGCGTCATAATAAGACCTTAAAGGAGGAGAATATGCAGCAGGCACGAGAGGAGG  
 AAGAACGACGTAAGAAGCAACAGCACATTTCCAGATA**ACTCT**AAATGAAATCCAAGCTCAGTTGGAACA  
 ACATGACATCCCAATGCCAA**ACT**GCGACAGGAGAACTTGA**ACT**GGGAGAGAAGTTGAAGAAGCTTATT  
 GAGCAGTATGCACTAAGGGAAGAGC**ATATT**GATAAAGTATTCAAACACAAGGAATTGCAACAACAGCTTG  
 TGGATGCCAA**ACTT**CAGCAAACAACACAGCTGATAAAAGAAGCTGATGAAAAACATCAGAGAGAGAGAGA  
 GTTTTTATTAAAAGAAGCAACAGAA**TCC**AGGCACAAATATGAACA**AAAT**GAAACAGCAAGAAGTACA**ACTA**  
 AAACAGCAGCTTTCTCTTTATATGGATA**AAATTT**GAAGAATTCAGACTACTATGGCA**AAAA**AGCAATGAAC  
 TTTTTACAACCTTCAGG**CAG**AAATGGAAAAGATGACAAAGAA**ATTA**AAAA**ACT**GGAAAAGAA**CAAT**GAAT  
 AATATGGCGTACCA**AAAT**GGGAAAACAATAATAAGCACTTCTGCAGATGGCCGAAGAGAAA**AACT**GTCCGT  
 GATAAAGAGTACAAGGCTTTTCAAATA**AAACT**GGAACGGTTAGAGAAGCTGTGCAGGGCTCTT**CAG**ACAG  
 AGAGAAATGAGCTCAACGAGAAGGTCGAAGTCCTGAAAGAGCAGGCTCTATCAAAGCAGCAGATGGGG**A**  
 CTTGGTGT**CACCT**GCAACGCAGCCCTGTGCTGTCTG**GATT**CCTTCAAAGAGACTTCAAGAAGAACCCTG  
 GGAATGC**ACTT**GGAGGCTAGAGCCAAGTCAGTGTGTGAGAAAAGTGTGCACAAAAGCCCTCATCTT**CAG**  
 GTTCTCCTGCTCAAGGCATTGAGTCAGTTGACT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAA**ACT**CATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_178935

**Insert Size:** 1575 bp

**OTI Disclaimer:** 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).

**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).

<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>	<a href="#">NM_178935.5</a> , <a href="#">NP_849266.1</a>
<b>RefSeq Size:</b>	3876 bp
<b>RefSeq ORF:</b>	1575 bp
<b>Locus ID:</b>	353170
<b>UniProt ID:</b>	<a href="#">Q8BHN1</a>
<b>Cytogenetics:</b>	X F4
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>