

Product datasheet for **MC227887**

TxIng (NM_001290776) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TxIng (NM_001290776) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	TxIng
Synonyms:	4932441K18Rik; Fiat; Lrp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC227887 representing NM_001290776
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGACTCGGCTT**GAGGAGGT**AACGCGAGGAAGAGGCGCGGTACTGAGGAGGCTAGT**GAGGGCGGAC**
 GGGCGGACGGCGACGTAGCCCCCGCAGAAAGTTT**GAAATT**GGCACAATGGAAGAAGCTAGAAATTTG**G**
 GTTAGGAGTAAAAGCAGACATGGAGAAAAGAGAAGAAATTCCTGGACGAGAAGCTCGAACAGGTCCTCCT
 GATGGCCAGCAAGATTCAGAGTGCAGCAGGAACAAGAGAAGACCTTAGGAAAAGAAGTTTTATTACTGA
 TGCAAGCGCTAAACACCCCTTCAACCCAGAGGAGAAGCTGGCAGCTCTCTGTAAGAAATATGCTGATCT
 CCTGGAAGAAAGCAGGAATGTT**CAGAA**CAAAATGAAGATTCTGCAGAAGAAGCAAGCCAGATTGT**GAA**
 GAGAAAGTTCACCTTCAGAGTGAACACAGCAAGGCCATCTTGGCAAGAAGCAA**ACTGGA**ATCTCTTTG**CA**
 GGGAACTTCAGCGTCATAATAAGACCTTAAAGGAGGAGAATATGCAGCAGGCACGAGAGGAGGAAGA**ACG**
 ACGTAAAGAAGCAACAGCACATTTCCAGATAACTCTAAATGAAATCCAAGCTCAGTTGGAACAACATG**AC**
 ATCCACAATGCCAAACTGCGACAGGAGAACATTGAACTGGGAGAGAAGTTGAAGAAGCTTATTGAGCAGT
 ATGCACTAAGGGAAGAGCATATTGATAAAGTATTCAAACACAAGGAATTGCAACAACAGCTTGTGGATG**C**
 CAACTTCAGCAAACAACACAGCTGATAAAAGAAGCTGATGAAAAACATCAGAGAGAGAGAGTTTTTA
 TAAAAGAAGCAACAGAAATCCAGGCACAAATATGAACAAATGAAACAGCAAGAAGTACA**ACTAAA**ACAGC
 AGCTTTCTCTTTATATGGATAAAATTTGAAGAATCCAGACTACTATGGCAAAAAGCAATGA**ACTTTTT**AC
 AACCTTCAGGCAGGAAAATGGAAAAGATGACAAAGAAAATTA**AAAA**ACTGGAAAAAGAAACAATAATG**G**
 CGTACCAAATGGGAAAACAATAATAAGCACTTCTGCAGATGGCCGAAGAGAAA**ACTGTCCG**TGATAA**AG**
 AGTACAAGGCTTTTCAAATAAA**ACTGGA**ACGGTTAGAGAAGCTGTGCAGGGCTCTCAGAGAGAGAGAAA
 TGAGCTCAACGAGAAGGTCGAAGTCTGAAAGAGCAGGTCTCTATCAAAGCAGCAGATGGGGACTTGGTG
 TCACCTGCAACGAGCCCTGTGCTGTCTTCAAGAGACTTCAAGAAGAACCTGGGAA**TGC**
 ACTTGGAGGCTAGAGCCAAGTCAGTGTGTGAGAAAAGTCTGCACAAAAGCCCTCATCTTCAGGTTCTCC
 TGCTCAAGGCATTGAGTCAGTTGACT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001290776
- Insert Size:** 1428 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:	<u>NM_001290776.1, NP_001277705.1</u>
RefSeq Size:	3729 bp
RefSeq ORF:	1428 bp
Locus ID:	353170
UniProt ID:	<u>Q8BHN1</u>
Cytogenetics:	X F4
Gene Summary:	<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 (2) lacks an alternate in-frame segment, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>