

## Product datasheet for **RN207029**

### Txn1 (NM\_053800) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Txn1 (NM_053800) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Txn1
Synonyms:	Txn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN207029 representing NM_053800 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGAAGCTGATCGAGAGCAAGGAAGCTTTTCAGGAGGCCCTGGCCGCTGCGGGAGACAAGCTTGTGG  
TAGTGGACTTCTCTGCCACGTGGTGTGGACCTTGCAAAATGATCAAGCCCTTCTTTCATTCCCTCTGTGA  
CAAGTATCCAATGTGGTGTTCCTTGAAGTAGACGTGGATGACTGCCAGGATGTTGCTGCAGACTGTGAA  
GTCAAATGCATGCCGACCTTCCAGTCTATAAAAAGGGTCAAAGGTTGGGGAGTTCTCTGGTGCTAACA  
AGGAAAAGCTCGAAGCCACTATTACGGAGTTTGCC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_053800
Insert Size:	318 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).



**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\\_053800.3](#), [NP\\_446252.1](#)

**RefSeq Size:** 330 bp

**RefSeq ORF:** 318 bp

**Locus ID:** 116484

**UniProt ID:** [P11232](#)

**Cytogenetics:** 5q24

**Gene Summary:** protein-disulfide reductase enzyme that is important for redox signalling during apoptosis and cell growth [RGD, Feb 2006]