

## Product datasheet for **RN208104**

### **Tbxas1 (NM\_012687) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbxas1 (NM_012687) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tbxas1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN208104 representing NM\_012687  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGTGTGGGGCTTCTCAAGTTCGAAGTCAGTGGTACCGTAGTGACTGTGACTCTGTCCGTGGTTC  
 TCTTGGCCCTCCTGAAATGGTACTCCACATCAGCGTTCTCAAGACTGAGGAAGTTGGGCATCAGACACCC  
 TGAGCCTTCTCCTTTTGTGGAACTTGATGTTTTCCGCCAGGGCTTTGGGAGAGCCATTTGGAGCTC  
 CGAGAGCGATATGGCCCTCTGTGTGGTACTATCTGGCCGTCGGATGTACATTGTCAATTCAGACCCAG  
 ACATGATCAAGGAGGTGTGGTTGAGAAGTTCAGTAACTTTTCCAACAGAATGGCCTCAGGTCTGGAACC  
 CAAGCTGATAGCAGACAGTGTCTGATGTTACGTGACAGAAGATGGGAGGAAGTCAGAGGTGCCCTGATG  
 TCTGCATTCAGTCTGAAAAATGAACGAGATGACACCTCTCATCAGCCAAGCCTGTGAAGTCTCCTGT  
 CTCACTTAAAACACTCTGCGGCATCCGGGGACGCATTCGACATCCAGAGGTGTTACTGCTGTTTTACCAC  
 AAATGTGGTGGCCAGTGTGGCCTTTGGCATCGAGGTGAACTCCCAGGATGCTCCAGAAGACCCCTTTGTG  
 CAACACTGCCAGCGTGTGTTTTGCTTTCAGTACCCCAAGGCCTCTCCTGGCTTTAATTTTATCATTCCAT  
 CCATAATGGTCCCATTGGCCCGGATTCTGCCCAATAAGAACCAGAGATGAACTGAATGGCTTTTTTAACAC  
 ACTCATTAGGAATGTGATTGCCTTACGGGACAAGCAAACAGCAGAAGAGAGGGCGGGGAGACTTCCTGCAG  
 ATGGTGTGGATGCCAGCGTCCATGAGCTCTGTGGGTGTAGAAGCCTTTGACATGGTCACAGAAGCCC  
 TGTCTCTGTGAGTGCATGGGGACCCACCCAAAGGTGTCATCCTACATCCACAGCTAAGCCTTTAAC  
 TGTGGATGAGATTGCCGGCCAGGCTTTCCTCTTCTCATCGCTGGCCACGAGATCACCACAAACACGCTC  
 TCCTTCATCACATACTGCTGGCCACCCACCCTGAGTCCAGGAGAGGCTTCTGAAAGAGGTGGACCTCT  
 TCATGGAGAAGCATCCAGCCCCGAGTACTGCAACCTGCAGGAAGTCTGCCCTATCTGGACATGGTGGT  
 TGCAGAGACCCTGAGGATGTACCCACCAGCTTTCAGATTCACAAGGGAGGCAGCACAGGACTGTGAGGTG  
 CTGGGACAGCACATCCCTGCAGTTCGTGTGCTGGAGATTGCTGTGGGTGCCCTACACCATGACCCAGAGC  
 ACTGGCCGAACCCTGAGACCTTTGACCCTGAAAGGTTTACAGCAGAAGCCCGGCTTCAGCAGAAGCCATT  
 CACATACTGCCTTTTGGAGCTGGTCCCAGGAGCTGCCTTGGAGTACGGCTGGGGCTGCTGGTGGTCAAG  
 CTGACACTGCTCCAGGTCTACACAAGTCCGCTTTGAAGCTTGGCCTGAGACTCAGGTTCCACTTCAGC  
 TAGAATCCAAATCTGCTCTATGCCCCAAAAATGGAGTCTACGTCAAGATTGTGTCACGC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_012687
- Insert Size:** 1602 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\\_012687.1](#), [NP\\_036819.1](#)

**RefSeq Size:** 1849 bp

**RefSeq ORF:** 1602 bp

**Locus ID:** 24886

**UniProt ID:** [P49430](#)

**Cytogenetics:** 4q22

**Gene Summary:** catalyzes the conversion of prostaglandin H2 into thromboxane A2; mRNA expression increases in a model of hydronephrotic kidney; may play a role in response to injury [RGD, Feb 2006]