

## Product datasheet for SC112788

### TCTA (NM\_022171) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TCTA (NM_022171) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCTA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112788 sequence for NM_022171 edited (data generated by NextGen Sequencing)

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ATGGCGGAGTCCCTGGTCTGGGCAGGCCTTGCAGGCTCTGCCGGCCACGGTCTGGGCGCG
CTGGGCAGCGAGTTCTTGCGGGAGTGGGAGGCGCAGGACATGCGCGTGACCTCTTCAAG
CTGCTGCTGCTGTGGTTGGTGTAAAGTCTCCTGGGCATCCAGCTGGCGTGGGGTCTTAC
GGGAATACAGTGACCGGGTTGTATCACCGTCCAGGTCTGGGTGGTCAAGATGGATCCACG
CCTGATGGCTCCACGCATTTCCCTTCGTGGGAAATGGCAGCAAACGAACCTCTCAAAACC
CACAGAGAATAA
```

Clone variation with respect to NM\_022171.2

#### 5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_022171 unedited
NGGTGTCGNATTTTGTATACGACTCATATAGGGCGGCCGCGATTCCGCACCAGGCAGGGT
GGGGTTAGGTGCGCGTGCGCGGTTTTAACTCCTCCCCGAACCTGCCAACTCTTACGCA
CGCGAAGTAGGCCCCACCCTGGCTGGGTTTACGCGTGCGCACTAACGGGCCTGGTCCCAG
AAGACCACACGCGTGCCTGGTGGGACTACGGTGACAGTACCCCGGTGGGGCGAGGGCC
AGTCATGGCGGAGTCTGGTCTGGGCAGGCCTTGCAGGCTCTGCCGGCCACGGTGTGGG
CGCGCTGGGCAGCGAGTTCTTGCGGGAGTGGGAGGCGCAGGACATGCGCGTGACCTCTT
CAAGCTGCTGCTGTGGTTGGTGTAAAGTCTCCTGGGCATCCAGCTGGCGTGGGGTT
CTACGGGAATACAGTGACCGGGTTGTATCACCGTCCAGGTCTGGGTGGTCAAGATGGATC
CACGCCTGATGGCTCCACGCATTTCCCTTCGTGGGAAATGGCAGCAAACGAACCTCTCAA
AACCCACAGAGAATAAGGGAAGGCAGCAGAGGGTCTCCAAGGCATCACTGGGTCTGCTG
GCTTCTACACTGGGTTCTGCTACTCCCCAGACCTCAGGGACAACCTGCCGGGGTTCAGGGN
TTGGTAGCAGGGAGTACCCAGTGCCTTACAGGGCTGNGCCTCTTCTGCCTTTAAGCCTG
CTCCCTCACCCAGGCACTGGGCAAGTGNNAGAGTTTGCCTGTACTCTATCCTGGGTGCC
TTAAGAGAGAAAAATGGTGGTCTTCTCTCAGGGGTGATAACTCAGGAGCCTCTTGGG
TTGGGGAGAACCATCAGTTCTTTGCCCTAAGATTNCTTTTTCTGTCCCTTTCATCCCCA
AGAGGGACCCCCATAATTTTTCTGGC
```



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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_022171 unedited AGGGACCGTATACGCGGCTCATATCGAGTTTTTTTTTCTTTTTTTTTTGCACCTCCGTGTT TAATAAGCCACATCCTCAGTTGAGCCTGGGGTGAATGTGAGATCCTGACTCTGTGCAGT AGTATTATTGGGTGGGCCAGGGGCTGTGAATAACATCATCCTCAGTACAGCTGCAATTCC AGGGCCCTCTACCACAAAGATGGCTTAAGCTCGTCCGTCAGATGGAAGTATGATATCCA ACAGGAAGGAAGTAGGCAGGGGTCATAAAGTGGCTGGTGGCCCAGCAGATGAAACAGA AGTATGGCCCCGAGGGAAGAGGCAGGTCCAGGGCTACAGTGCTTTCAAGTACTGGTGTT TCTATAGGGGCATTTGCCACCCACATCTTTGAAACTCCCTGGCCTATTGTGACATGGC AGGGCTGCCTGGTTCTTGAAGGTAGAGAATATGCTAGTGGGGAGGAGCTGAGCCTGTGAC GTGCATTTGTACCAGTCCAGATGGGAAATGATGAGGCTGCAGGCTATGATGGGGCCACT GTGCACTAAATGCTTGGTACCATCCTATGAGGGGACAAGGTGCAGACCCACATCCCATA TGCACCTAAGCAGCGCGGATAGGAGGCTACCCAGGGGTTACAGCTGGCCTTCAGGTGAT CAGCTTACCCCCAGAAGGACTGAGAGGAATATGACCAGGACAGTTGGCAAAAGACAATT CCCTTTGCCTGGCTTACCGGAAAACCTGGCTCGGCCACGCTTGGGGGGGTGCGCGCCC CCCTCCGATAGTGCCGCGGTTCCCCACCCTTGCTCTACCGGGAGGGCCCCCCACTA CCCCGACCCCCAAGGCCTCGGCTCGGCTCCGGATCCCTGGCTTCCCGCCGCTGCGCCAA CCCCGCGCCCCCAACCTCCCGGCCGGGCCAAAACACTCCGCCCTATAATCCCCTTTCT GGGCACCTTCGCTCCCACCTCACAAAAA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_022171
<b>Insert Size:</b>	2290 bp
<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>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>	<a href="#">NM_022171.1</a> , <a href="#">NP_071503.1</a>
<b>RefSeq Size:</b>	2146 bp
<b>RefSeq ORF:</b>	312 bp
<b>Locus ID:</b>	6988
<b>UniProt ID:</b>	<a href="#">P57738</a>
<b>Cytogenetics:</b>	3p21.31
<b>Protein Families:</b>	Transmembrane

**Gene Summary:** May be required for cellular fusion during osteoclastogenesis.[UniProtKB/Swiss-Prot Function]