

Product datasheet for **SC112790**

TSHZ1 (NM_005786) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSHZ1 (NM_005786) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSHZ1
Synonyms:	CAA; NY-CO-33; SDCCAG33; TSH1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_005786, the custom clone sequence may differ by one or more nucleotides

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ATGTGCAATGAAGAGACGGAGATCAAAGAGGCGCAGAGCTACCAGAACTCCCCAGTCAGCTCTGCGACTA
ACCAGGACGCCGGCTACGGGTGCGCCTTCAGTGAGAGCAGCGACCAGCTAGCCCCATTTCAAAGGCTCTTC
CTCTCGAGAAGAGAAGGAGGATCCGCGAGTGTCCCAGACAGCGTCTCGTACCCCCAGGACAGCTGGCACAG
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GAAAGTGACCACCTCGGCTTCTAAGAAGGGCAAGCAGTTGGTGTGGACCCTGTGGTGAAGAGAGAATC
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CGCGGAGAAGATCAAGGAGGAGAGTGAGGACAGCTTGGAGAAATTTGAGCCAGCACCTGTACCCGTAC
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CCCCACCCACAAGAGCAACGTGTCTGCCATGGAGGAGCTGGTGGAGAAGGTACCGGCAAGGTCAACAT
CAAGAAGGAGGAGAGACCCCTGAGAAGGAGAAGAGCTCCCTGGCCAAGGCTGCGTCCCCATAGCAAAA
GAGAATAAAGATTTCCGAAAACGGAGGAAGTCAGCGGCAAAACCAGAGAAGGAGCCCTGAGGCCGAGA
CTGGGAAGGCCAAAAAGGAGGGACCGCTGGACGTTACACCCCAATGGCACAGAGCCTCTCAAAGCAAA
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GCTGCCACTCAATCAGATTAAGAACAGCAGAATGTTTCGAAAAGTCTCACCAACAAAACCTGGGCCCA
CTGGGGGCCACCGAGGAAGACTTGGGCTCCACATTCCAATGTAAGCTCTGCAACCGGACTTTTGCAGCA
AGCACGCAGTCAAACCTGCACCTTAGTAAGACCCACGGCAAGTCTCCCGAGGACCCTGATCTATGTGAC
TGAGTTGGAGAAACAGTAG
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005786 unedited</p> <pre>TGTAATACGACTCACTCATAGGGCGGCCGCAATTTCGCACGAGAGAAGTCTGAAAGTGA TGTAAGTGTGGACTCCTTTGAGTCCTTGCAGGACCTCAGCGTCCACATGATCAAAACCA AGCATTACCAGAAAGTGCCTCTGAAGGAGCCAGTGCCAGCCATCACCAAACCTGGTCCCCT CCACAAAAAGCGGGCGCTTCAGGACCTGGCGCCCCCTGCTCCCCTGAGCCAGCAGGAA TGGCCGCAGAGGTGGCCCTGAGTGAGTCAGCCAAGGATCAGAAAGCAGCGAACCCGTACG TCACGCCAATAACCCGCTATGGCTACCAGAATGGCGCCAGCTACACCTGGCAGTTTGAGG CCCGCAAGGCGCAGATCCTCAAGTGCATGGAGTGTGGCAGCTCCCACGACACGCTGCAGC AGCTCACCGCCCACATGATGGTACCAGGCACTTCTGAAAGTGACCACCTCGGCTTCTA AGAAGGGCAAGCAGTTGGTGTGGACCCTGTGGTGAAGAGAAGATCCAGTCCATCCCAC TACCGCCACCACCCACGCGGCTGCCGGCTCCAGCATCAAAAAGCAGCCGACTCTC CCGCGNGTCCACGACTTCTGAAGAAAAGAAAGAGCCAGAGAAGGAGAAGCCGCCGTGG CTGGCGACGCGGAGAAGATCAAGGAGGAGTGGAGACAGCTTGGAGAATTTGAGCCAGC ACCCTGTACCCTACCTGCGTGAGGAGGACCTGGACGACAGCCAAAGGNAGGGCTGGACA TTCTCAAGTCTTGAGAATACCGTCTNCACGGNCATTANCAAGCTCANAATGTGCGCCTC ATGGGGTGGCTACCCANATNCATGCAGNCTACAGCTCCGGGCACCGTATCCATGCGC GNCGGNCAAGAGGAGTGGCCACCGCTTGTGCGGGGAAAACCTCCTCCCGC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005786 unedited</p> <pre>CTTTTTAGCTATGNANCGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTT TTTTTCCAAGGAAAGGCACAGAAAATGCAATTACAGCCCTCAAGGGTTAAATTTGACAC TACCAGTTCTATGACCTTTATTGTTCATGGCAACTTACCATTTTAGGATGTCTTTTTAT CATTGTTATTTGGTCTTTCTTTACTGCTAAATATGTCTCTGAGTAGGGGGCCCACTA TTTCCTACAAAAGATAGCTTAACACCAAAAACAGATGTTGAAAATAAAGGTCAAACCTTG ACTCACGGAAAAAGAAAATAACATGCCAGATCGGACAGAGAGCATATAAATATCCAAA ATATGTGTAAAAAACCAAGGTCCAAAGAGGCGGGCCAGCAACAAAGGAAAGACTGATTT CAAAGGCTCAGGCCAGGCCTAGTGACGCTCGACGACGTTTAGTGAATGTTCCGCGGTCT CTTGATACCTGGACGCTACTGTTTCTCCAACCTCAGCCACATAAATCAGTGGTCTCGG GAGACTTGCCTGGGTCTTACTAAGGTGCAGTTTACTGCGTGTCTGCTCGCAAAAGTCC GGTTGCAGAGCTCACATTGGAATGTGGAGCCCAAGTCTTCTCGTGGCCCCCAGTTGGCC CCAGAGTTTTTGGTGGAGACTTTCGAAACATTCTGCTGTTCTTGAATCTGATTGAGCG GGACCTTGAGACATCCTCTCAGCTGAACCCTAAGTGTGTCTCCAACGACCTATGTTTG TACAACCACTTCCGACCTGACAGCCACATCCGTCGCAAAGAAAACCGGATGCCCTGTGTC CAAGTTTCTTTAGGAATTTGGTTCCTCCTCAATGGTACTTCACATTGCCCA CAG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005786
Insert Size:	2870 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_005786.2](#), [NP_005777.2](#)

RefSeq Size: 4998 bp

RefSeq ORF: 4998 bp

Locus ID: 10194

UniProt ID: [Q6ZSZ6](#)

Cytogenetics: 18q22.3

Domains: homeobox, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: This gene encodes a colon cancer antigen that was defined by serological analysis of recombinant cDNA expression libraries. The encoded protein is a member of the teashirt C2H2-type zinc-finger protein family and may be involved in transcriptional regulation of developmental processes. Mutations in this gene may be associated with congenital aural atresia syndrome. [provided by RefSeq, Jan 2012]
Transcript Variant: This variant (2) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1.