

Product datasheet for SC318452

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318452 representing NM_005786. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGCAATGAAGAGACGGAGATCAAAGAGGCGCAGAGCTACCAGAACTCCCCAGTCAGCTCTGCGACT
AACCAGGACGCCGGCTACGGGTGCGCCTTCAGTGAGAGCAGCGACCAGCTAGCCATTTCAAAGGCTCT
TCCTCTCGAGAAGAGAAGGAGGATCCGCGAGTGTCCCGACAGCGTCTCGTACCCCCAGGACAGCCTGGCA
CAGATCAAAGCTGTGTATGCAAATTTGTTCTCCGAGTCTGCTGGTCCAGCTTAGCTCTGGATTTAAAG
AAGTCGGGTTCCACCACCAGCACCAACGATGCCAGCCAGAAGGAGAGCTCCGCCCCACCCACACCC
CCCACCTGCCCGTCAGCACCACTGGCCCCACACGAGCAGCCAGCAGCTGCAGCTCCAGCACC
AGCCACAGCAGTACCACCAGTACCAGCAGCAGCTCCGGGTACGACTGGCACCAGGCTGCACTGGCCAAG
ACGCTGCAGCAGAGCTCCTCGTATGGGCTGCTTCTGAGCCAGCCTGTTGAGCACCAGTGCAGCTCTAC
CGCCAGAAACAAGCTCTACGGCTCCGTCTTACGGGCGCCAGCAAGTTCCGGTGCAAAGACTGCAGT
GCCGCGTACGACACGCTGGTGGAAGTGCAGGTGCACATGAACGAGACAGGCCACTACCGTGACGACAAC
AGGGACAAGGACTCCGAGAAGACCAAGAGGTGGTCCAAGCCAGGAAGCGCTCCCTGATGGAGATGGAG
GGGAAGGAGGATGCCAGAAGGTGCTGAAGTGCATGTACTGTGGACACTCCTTTGAGTCTTGACAGGAC
CTCAGCGTCCACATGATCAAAACCAAGCATTACCAGAAAGTGCTCTGAAGGAGCCAGTGCCAGCCATC
ACCAAAGTGGTCCCTCCACAAAAGCGGGCGCTTCAGGACCTGGCGCCCCCTGCTCCCTGAGCCA
GCAGGAATGGCCGAGAGGTGGCCTGAGTGAGTCAGCCAAGGATCAGAAAGCAGCGAACCCTACGTC
ACGCCCCAATAACCGCTATGGCTACCAGAATGGCGCCAGCTACACCTGGCAGTTTGAGGCCGCAAGGCG
CAGATCCTCAAGTGCATGGAGTGTGGCAGCTCCACGACACGCTGCAGCAGCTCACCGCCACATGATG
GTCACCGGGCACTTCTGAAAGTGACCCTCGGCTTCTAAGAAGGGCAAGCAGTTGGTGTGGACCT
GTGGTGAAGAGAAGATCCAGTCCATCCCACTACCGCCACACCCACACGCGGTGCCGCGCTCCAGC
ATCAAAAAGCAGCCGACTCTCCGCGGGGTCCACGACTTCTGAAGAAAAGAAAGAGCCAGAGAAGGAG
AAGCCGCTGTGGCTGGCGACGCGGAGAAGATCAAGGAGGAGAGTGAGGACAGCTTGAGAAATTTGAG
CCCAGCACCTGTACCCGTACCTGCGTGAGGAGGACCTGGACGACAGCCCAAGGAGGGCTGGACATT



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CTCAAGTCCCTGGAGAATACCGTCTCCACGGCCATTAGCAAAGCTCAGAATGGTGCGCCCTCATGGGGT
 GGCTACCCAGCATCCATGCAGCCTACCAGTCCCGGGCACCCTGAAGCCACTGCCGGCGGCCGTGCAG
 AGCGTGCAGGTGCAGCCGCTCCTATGCTGGCGGCGTGAAGTCGTGTCTTCCGCCAGCACAACGCCCTC
 CTGCACTCCCCAGGGAGCCTCACGCCCCACCGCACAAGAGCAACGTGTCTGCCATGGAGGAGCTGGTG
 GAGAAGGTACGGGCAAGGTCAACATCAAGAAGGAGGAGAGACCCCTGAGAAGGAGAAGAGCTCCCTG
 GCCAAGGCTGCGTCCCCCATAGCAAAAGAGAATAAAGATTTCCGAAAACGGAGGAAGTCAGCGGCAAA
 CCACAGAAGAAGGGCCCTGAGGCCGAGACTGGGAAGGCCAAAAAGGAGGGACCGCTGGACGTTACACCC
 CCAAATGGCACAGAGCCTCTCAAAGCAAAGGTCACCAACGGCTGTAACAACCTGGGGATCATCATGGAC
 CACTACCGGAGCCTTCCTTCATCAACCGCTGAGCGCTTTGCAGTCCATCATGAACACCCACCTGGGC
 AAGGTGTCCAAGCCCGTGAAGTCCCTCGCTGGACCCGCTGGCGATGCTGTACAAGATCAGCAACAGCATG
 CTGGACAAGCCGCTGTACCCCGCCACCCCTGTGAAGCAGGCCGATGCCATCGACCGCTACTATTATGAA
 AACAGCGACCCAGCCATTGACTTAACCAAGTCCAAGAACAAGCCGCTGGTGTCCAGCGTGGCTGATTG
 GTGGCATCACCTCTGCGGGAGAGCGCACTCATGGACATCTCCGACATGGTAAAAACCTCACAGGCCGC
 CTGACGCCCAAGTCTCCACGCCCTCCACAGTTTCAGAGAAGTCCGATGCTGATGCGCAGCAGCTTTGAG
 GAGGCGTTGGACGAGCTGTACCGGTCCACAAGAGGAAGGGCCGCGAGTCCAACCTGGAACCCGAGCAGC
 CTTCTCATCTGACAGGCCAGTTTCGCTCGAGCTTGGCGGAGACCACAGAGGGCAAGTACATCATGTGCG
 GACTTGGGCCCCGAGGAGAGGGTGACATCTCGAAGTTTACTGGGCTCTCCATGACCACCATCAGCCAC
 TGGCTGGCCAATGTGAAGTACCAGTTGAGGAGGACAGGGGGAACGAAATTCCTAAAGAACCTGGACACA
 GGGCATCTGTTTTCTTTTGAACGATTGTGCCTCTCAGTTTCAAGTCTGCTTCTACATACATAAGTCAT
 TTGGAGACACACTTGGGCTTCAGCCTGAAGGATCTCTCCAAGTCCCACTCAATCAGATTCAAGAACAG
 CAGAATGTTTCGAAAGTCTCACCACAAAACCTCTGGGCCACTGGGGGCCACCGAGGAAGACTTGGGC
 TCCACATTCCAATGTAAGCTCTGCAACCGGACTTTTGCAGCAAGCAGCAGTCAAACCTGCACCTTAGT
 AAGACCCACGGCAAGTCTCCGAGGACCCTGATCTATGTGACTGAGTTGGAGAAACAGTAG
 ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_005786
Insert Size:	3099 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA
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:	<u>NM_005786.4</u>

RefSeq Size:	4998 bp
RefSeq ORF:	3099 bp
Locus ID:	10194
UniProt ID:	Q6ZSZ6
Cytogenetics:	18q22.3
Domains:	homeobox, zf-C2H2
Protein Families:	Transcription Factors
MW:	112.7 kDa
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.