

Product datasheet for **SC100778**

ZNF537 (TSHZ3) (NM_020856) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF537 (TSHZ3) (NM_020856) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF537
Synonyms:	TSH3; ZNF537
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_020856 edited

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GCGGCGCGGGGGGACGCGGAGAGCCTGGGCGCAGCAGCATCCTGCGGGCGGCCGCTCTC
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 GTCTATTTGAAAAGGTTAAAAAAGAACAAAAAAGAAAAA

Restriction Sites:

NotI-NotI

ACCN:	NM_020856
Insert Size:	4500 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_020856.1.
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_020856.1, NP_065907.1</u>
RefSeq Size:	4407 bp
RefSeq ORF:	2697 bp
Locus ID:	57616
UniProt ID:	<u>Q63HK5</u>
Cytogenetics:	19q12
Domains:	homeobox, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a zinc-finger transcription factor that regulates smooth muscle cell differentiation in the developing urinary tract. Consistent with this role, mice in which this gene has been inactivated exhibit abnormal gene expression in urinary tract smooth muscle cell precursors and kidney defects including hydronephrosis. The encoded transcription factor comprises a gene silencing complex that inhibits caspase expression. Reduced expression of this gene and consequent caspase upregulation may be correlated with progression of Alzheimer's disease in human patients. [provided by RefSeq, Jul 2016] Transcript Variant: This variant (1) represents the longest transcript and encodes the protein.