

## Product datasheet for RC211499

### ZNF537 (TSHZ3) (NM\_020856) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF537 (TSHZ3) (NM_020856) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF537
Synonyms:	TSH3; ZNF537
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211499 representing NM_020856 Red=Cloning site Blue=ORF Green=Tags(s)

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ATGCCGAGGAGGAAGCAGCAGGCCGCCCGCGCGCAGCAGCCTATGTTTCCGAAGAGTTAAAGGCTGCTG  
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GATGAAGGCCGTGTACAACAACCTCCTCTCCAACCTCCTACTGGTCCAACCTCAACCTCAACCTGCACCAG  
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GCCCAGCCTCTTCAGCACCCTGCAGCTGTACCGGACAGCAGCAAGCTCTATGGCTCCATCTTCACGGGG  
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CCTGGCGAAGAAGAGGAGAAGTGTGACATCTCTTCCAAATACCATTACTTGACTGAAAATGACTTAGAAG  
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**Protein Sequence:**

>RC211499 representing NM\_020856  
 Red=Cloning site Green=Tags(s)

MPRRQKQAPRRAAAYVSEELKAAALVDEGLDPEEHTADGEPKSAKYMCEPELARACPSYQNSPAAEFSCHE  
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 GHSFESLQDLVHMIKTKHYQKVPVKPVAAKIIPATRKASLELELPSSPDSTGGTPKATISDTND  
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 SLSGSTAIITDHPPEQPFVNPLSALQSVMIHLGKAAKPSLPALDPMMSLKFMSNSLAEKAATVPPLQ  
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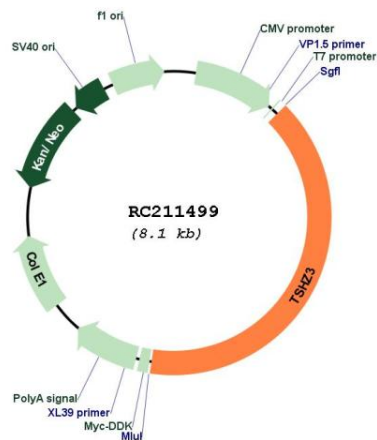
**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8025\\_f07.zip](https://cdn.origene.com/chromatograms/mk8025_f07.zip)

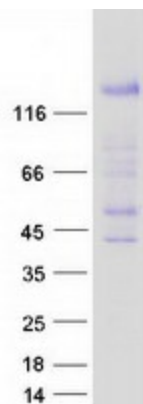


**UniProt ID:** [Q63HK5](#)  
**Cytogenetics:** 19q12  
**Domains:** homeobox, zf-C2H2  
**Protein Families:** Transcription Factors  
**MW:** 118.4 kDa  
**Gene Summary:** This gene encodes a zinc-finger transcription factor that regulates smooth muscle cell differentiation in the developing urinary 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]

### Product images:



Circular map for RC211499



Coomassie blue staining of purified TSHZ3 protein (Cat# [TP311499]). The protein was produced from HEK293T cells transfected with TSHZ3 cDNA clone (Cat# RC211499) using MegaTran 2.0 (Cat# [TT210002]).