

# Recombinant Human TSHZ3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TSHZ3-2673H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	TSHZ3 MS Standard C13 and N15-labeled recombinant protein (NP_065907) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	118.4 kDa
<b>AA Sequence</b>	MPRRKQQAPRRAAAYVSEELKAAALVDEGLDPEEHTADGEPYAKYMCPEKELARA CPSYQNSPAAEFSCHEMDSESHISETSDRMADFESGSIKNEEETKEVTVPLEDTTVS DSLEQMKAVYNNFLSNSYWSNLNLNLHQPSSSEKNNGSSSSSSSSSSSSCGSGSFDW HQSAMAATLQQVSQSRMLPEPSLFSTVQLYRQSSKLYGSIFTGASKFRCKDCSAAAY DTLVELTVHMNETGHYRDDNHETDNNNPKRWSKPRKRSLLEMEGKEDAQKVLKCM

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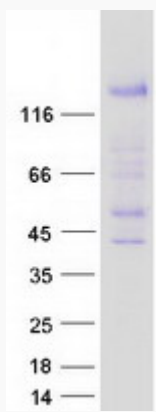


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 EKQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	TSHZ3 <i>teashirt zinc finger homeobox 3</i> [ <i>Homo sapiens (human)</i> ]
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<b>Official Symbol</b>	TSHZ3
<b>Synonyms</b>	TSHZ3; teashirt zinc finger homeobox 3; teashirt family zinc finger 3, zinc finger protein 537, ZNF537; teashirt homolog 3; KIAA1474; teashirt 3; TSH3; zinc finger protein 537; teashirt family zinc finger 3; ZNF537; FLJ54422;
<b>Gene ID</b>	57616
<b>mRNA Refseq</b>	NM_020856
<b>Protein Refseq</b>	NP_065907
<b>MIM</b>	614119
<b>UniProt ID</b>	Q63HK5
<b>SDS-PAGE</b>	

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