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

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

SPECIFICATION

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

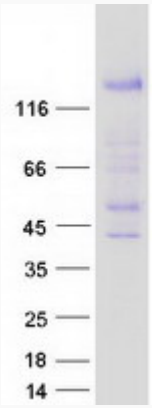
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	YCGHSFESLQDLSVHMIKTKHYQKVPLKEPVTPVAAKIIPATRKKASLELELPSSPDS TGGTPKATISDTNDALQKNSNPYITPNNRYGHQNGASYAWHFEARKSQILKCMECG SSHDTLQELTAHMMVTGHFIKVTNSAMKKGKPIVETPVTPTITTLLDEKVQSVPLAAT TFTSPSNTPASISPKLNVEVKKEVDKEKAVTDEKPKQKDKPGEEEEKCDISSKYHYLT ENDLEESPKGGLDILKSLENTVTSAINKAQNGTPSWGGYPSIHAAYQLPNMMKLSLG SSGKSTPLKPMFGNSEIVSPTKNQTLVSPPSSQTSPMPKTNFHAMEELVKKVTEKVA KVEEKMKEPDGKLSPPKRATPSPCSSEVGEPIKMEASSDGGFRSQENSPSPPRDG CKDGSPLAEPVENGKELVKPLASSLSGSTAIITDHPPEQPFVNPLSALQSVMNIHLGK AAKPSLPALDPMSMLFKMSNSLAEKAAVATPPPLQSKKADHLDRYFYHVNNDQPIDL TKGKSDKGCSLGSVLLSPTSTAPATSSSTVTTAKTSAVVSFMSNSPLRENALSDISD MLKNLTESHTSKSSTPSSISEKSDIDGATLEEAEESTPAQKRKGRQSNWNPQHLLIL QAQFAASLRQTSEGKYIMSDLSPQERMHISRFTGLSMTTISHWLANVKYQLRRTGG TKFLKNLDTGHPVFFCNDCASQIRTPSTYISHLESHLGFRLRDLSKLSTEQINSQIAQT KSPSEKMVTSSPEEDLGTSYQCKLCNRTFASKHAVKLHLSKTHGKSPEDHLLYVSEL EKQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TSHZ3 teashirt zinc finger homeobox 3 [Homo sapiens (human)]

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Official Symbol	TSHZ3
Synonyms	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;
Gene ID	57616
mRNA Refseq	NM_020856
Protein Refseq	NP_065907
MIM	614119
UniProt ID	Q63HK5
SDS-PAGE	

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