

Product datasheet for PH311499

ZNF537 (TSHZ3) (NM_020856) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TSHZ3 MS Standard C13 and N15-labeled recombinant protein (NP_065907)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211499
Predicted MW:	118.4 kDa
Protein Sequence:	>RC211499 representing NM_020856 Red=Cloning site Green=Tags(s)

MPRRKQQAPRRAAYVSEELKAAALVDEGLDPEEHTADGEPsAKYMCPEKELARACPSYQNSPAAEFsSCH
EMDSESHISETSDRMADFESGSIKNEEETKEVTVPLEDTTVSDSLEQMKAVYNNFLSNSYWSNLNLNLHQ
PSSEKNNGSSSSSSSSSSCGSGSFDWHQSAMAKTLQQVQSQRMLPEPSLFSTVQLYRQSSKLYGSIFTG
ASKFRCKDCSAAYDTLVELTVHMNETGHYRDDNHETDNNNPKRWSKPRKRSLLEMEGKEDAQKVLKCMYC
GHSFESLQDLSVHMIKTKHYQKVPVLPVAAKIIPATRKKASLELELPSSPDSTGGTPKATISDND
ALQKNSNPYITPNNRYGHQNGASYAWHFEARKSQILKCEGSSHDTLQELTAHMMVTGHFIKVTNSAMK
KGGPIVETPVPTITITLLDEKVQSVPLAATFTSPSNTPASISPKLNVEVKKEVDKEKAVTDEKPKQKDK
PGEERKCDISSKYHYL TENDLEESPKGGLDILKSLVENTVTSAINKAQNGTPSWGYPYIHAAYQLPNMM
KLSLGSSTKSTPLKPMFNGSEIVSPTKNQTLVSPSSQTSMPKTNFHAMEELVKKVTEKVAKEEKMKE
PDGKLSPPKRATPSPCSSEVGEPKMEASSDGGFRSQENSPSPPRDGCKDGSPLAEPVENKELVKPLAS
SLSGSTAIITDHPPEQPFVNPLSALQSVMIHLGKAAKPSLPALDPMMLFKMNSLAEKAAVATPPPLQ
SKKADHLDRYFYHVNDQPIDLTKGKSDKGC SLGSLVLLSPTSTAPATSSSTVTTAKTSAVVFSMNSPLR
ENALSDISDMLKNL TESHTSKSSTPSSI SEKSDIDGATLEEAEESTPAQKRKGRQSNWNPQHLLILQAQF
AASLRQTSEGKYIMSDLSPQERMHISRF TGLSMTTISHWLANVKYQLRRTGGTKFLKNLDTGHPVFFCND
CASQIRTPSTYISHLESHLGFRLRDL SKLSTEQINSQIAQTKSPSEKMTSSPEEDLGT SYQCKLCNRTF
ASKHAVKLHL SKTHGKSPEDHLLYVSELEKQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

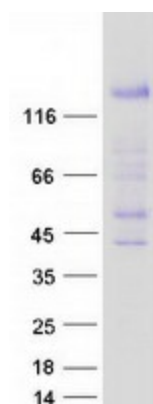
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_065907
RefSeq Size:	4995
RefSeq ORF:	3243
Synonyms:	TSH3; ZNF537
Locus ID:	57616
UniProt ID:	Q63HK5
Cytogenetics:	19q12
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]
Protein Families:	Transcription Factors

Product images:



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]).