

## Product datasheet for PH310787

### Tpit (TBX19) (NM\_005149) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TBX19 MS Standard C13 and N15-labeled recombinant protein (NP_005140)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210787
Predicted MW:	48.2 kDa
Protein Sequence:	>RC210787 protein sequence Red=Cloning site Green=Tags(s)

MAMSELGTRKPSDGTVSHLLNVVESELQAGREKGDPTKQLQIILEDAPLWQRFKEVTNEMIVTKNGRRM  
FPVLKISVTGLDPNAMYSLLLDVPTDSHRWKYVNGEWPAGKPEVSSHSCVYIHPDSPNFGAHWMKAPI  
SFSKVKLTKNLGGGQIMLNSLHKYEPQVHIVRVGSAHRMVTNCSFPETQFIAVTAYQNEEITALKIKYN  
PFAKAFLDKERNHLRDVPEAISESQHVTYSHLGGWIFSNPDGVCTAGNSNYQYAAPLPLPAPHTHHGCE  
HYSGLRGHRQAPYPSAYMHRNHSPSVNLISSSNLQVFSGPDSWTSLSSTPHASILSVPHNGPINPGP  
SPYPCLWTISNGAGGPGPGPEVHASTPGAFLLGNPAVTSPPSVLSTQAPTSAGVEVLGEPSTLSIAVST  
WTAVASHPFAGWGGPGAGGHHSPSSLDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
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:	<u>NP_005140</u>
RefSeq Size:	2882
RefSeq ORF:	1344
Synonyms:	dj747L4.1; TBS19; TPIT



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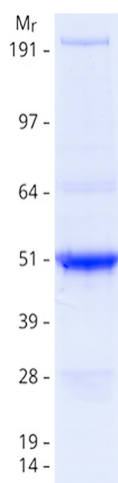
Locus ID: 9095

UniProt ID: [O60806](#), [B3KRD9](#)

Cytogenetics: 1q24.2

**Summary:** This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. Mutations in this gene were found in patients with isolated deficiency of pituitary POMC-derived ACTH, suggesting an essential role for this gene in differentiation of the pituitary POMC lineage. ACTH deficiency is characterized by adrenal insufficiency symptoms such as weight loss, lack of appetite (anorexia), weakness, nausea, vomiting, and low blood pressure. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified TBX19 protein (Cat# [TP310787]). The protein was produced from HEK293T cells transfected with TBX19 cDNA clone (Cat# [RC210787]) using MegaTran 2.0 (Cat# [TT210002]).