

Recombinant Human TBX19 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TBX19-4873H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TBX19 MS Standard C13 and N15-labeled recombinant protein (NP_005140) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	48.2 kDa
AA Sequence	MAMSELGTRKPSDGTVSHLLNVVESELQAGREKGDPTKQLQIILEDAPLWQRFKE VTNEMIVTKNGRRMFPVLKISVTGLDPNAMYSLLLDVFPTDSHRWKYVNGEWVPAG KPEVSSHSCVYIHPDSPNFGAHWMKAPISFSKVKLTKNLNGGGQIMLNSLHKYEPQ VHIVRVGSAHRMVTNCSFPETQFIAVTAYQNEEITALKIKYNPFAKAFLDAKERNHLR DVPEAISESQHVYSHLGGWIFSNPDGVCTAGNSNYQYAAPLPLPAPHTHHGCEHY

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SGLRGHRQAPYPSAYMHRNHSPSVNLISSSNLQVFSGPDSWTSLSSTPHASILS
VPHTNGPINPGSPYPCLWTISNGAGGPGSGPGEVHASTPGAFLGPNPAVTSPPSV
LSTQAPTSAGVEVLGEPSTLSIAVSTWTAVASHPFAGWGGPGAGGHHSPSSLDGT
RTRPLEQKLISEEDLAANDILDYKDDDDKV

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 TBX19 T-box 19 [Homo sapiens (human)]

Official Symbol TBX19

Synonyms TBX19; T-box 19; T-box transcription factor TBX19; dj747L4.1; TBS 19; TPIT; T-box protein 19; T-box factor, pituitary; TBS19; dj747L4.1; FLJ26302; FLJ34085; FLJ34543;

Gene ID 9095

mRNA Refseq NM_005149

Protein Refseq NP_005140

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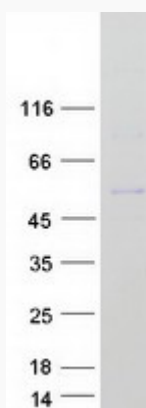
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MIM 604614

UniProt ID O60806

SDS-PAGE



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