

# Active Recombinant Full Length Human TBX19 Protein, C-Flag-tagged

**Cat. No.** TBX19-658HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human TBX19 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Bio-activity</b>	ELISpot
<b>Molecular Mass</b>	48.1 kDa
<b>AA Sequence</b>	MAMSELGTRKPSDGTVSHLLNVVESELQAGREKGDPTKQLQIILEDAPLWQRFKE VTNEMIVTKNGRRM FVLKISVTGLDPNAMYSLLLDFVPTDSHRWKYVNGEWVPA

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GKPEVSSHSCVYIHPDSPNFGAHWMKAPI SFSKVKLTKLNKGGGQIMLNSLHKYEP  
 QVHIVRVGSAHRMVTNCSFPETQFIAVTAYQNEEITALKIKYN PFAKAFLDAKERNHL  
 RDVPEAISESQHVTYSHLGGWIFSNPDGVCTAGNSNYQYAAPLPLPAPHTHHGCE  
 HYSGLRGRQAPYPSAYMHRNHSPSVNLISSNNLQVFSGPDSWTSLSSTPHASI  
 LSVPHNTNGPINPGP SPYPCLWTISNGAGGPGSGPPEVHASTPGAFLGPNPAVTSP  
 SVLSTQAPTSAGVEVLGEPSTLSIAVST  
 WTAVASHPFAGWGGPGAGGHHSPSSLDGTRTRPLEQKLISEEDLAANDILDYKDDD  
 DKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Full Length</b>	Full L.

## GENE INFORMATION

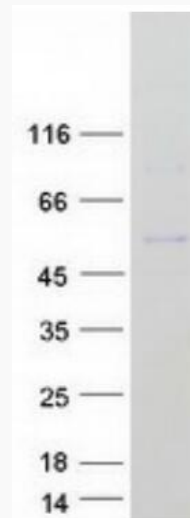
<b>Gene Name</b>	TBX19 T-box transcription factor 19 [ Homo sapiens (human) ]
<b>Official Symbol</b>	TBX19
<b>Synonyms</b>	TPIT; TBS19; dJ747L4.1

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Gene ID	9095
mRNA Refseq	NM_005149.3
Protein Refseq	NP_005140.1
MIM	604614
UniProt ID	O60806



Coomassie blue staining of purified TBX19 protein.

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