

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

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

SPECIFICATION

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

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GKPEVSSHSCVYIHPDSPNFGAHWMKAPI SFSKVKLTKNLNGGGQIMLNSLHKYEP
 QVHIVRVGSAHRMVTNCSFPETQFIAVTAYQNEEITALKIKYN PFAKAFLDAKERNHL
 RDVPEAISESQHVTYSHLGGWIFSNPDGVCTAGNSNYQYAAPLPLPAPHTHHGCE
 HYSGLRGHRQAPYPSAYMHRNHSPSVNLISSNNLQVFSGPDSWTSLSSTPHASI
 LSVPHNTNGPINPGP SPYPCLWTISNGAGGPGPGPEVHASTPGAFLGPNPAVTSP
 SVLSTQAPTSAGVEVLGEPSLTSAIVST
 WTAVASHPPFAGWGGPGAGGHHSPSSLDGTRTRPLEQKLISEEDLAANDILDYKDDD
 DKV

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

GENE INFORMATION

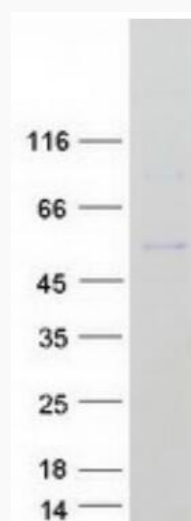
Gene Name	TBX19 T-box transcription factor 19 [Homo sapiens (human)]
Official Symbol	TBX19
Synonyms	TPIT; TBS19; dJ747L4.1

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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.