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T-Box 1 Protein (TBX1) (Transcript Variant A) (Myc-DYKDDDK Tag)



Image

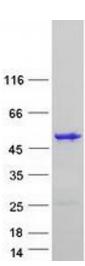


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Quantity:	20 μg	
Target:	T-Box 1 (TBX1)	
Protein Characteristics:	Transcript Variant A	
Origin:	Human	
Source:	HEK-293 Cells	
Protein Type:	Recombinant	
Purification tag / Conjugate:	This T-Box 1 protein is labelled with Myc-DYKDDDDK Tag.	
Application:	Antibody Production (AbP), Standard (STD)	
Product Details		
Characteristics:	 Recombinant human TBX1 (transcript variant A) protein expressed in HEK293 cells. Produced with end-sequenced ORF clone 	
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining	
Target Details		
Target:	T-Box 1 (TBX1)	
Alternative Name:	Tbx1 (TBX1 Products)	
Background:	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. This gene product shares 98 % amino acid sequence	
	identity with the mouse ortholog. DiGeorge syndrome (DGS)/velocardiofacial syndrome (VCFS),	

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	a common congenital disorder characterized by neural-crest-related developmental defects, has been associated with deletions of chromosome 22q11.2, where this gene has been mapped. Studies using mouse models of DiGeorge syndrome suggest a major role for this gene in the molecular etiology of DGS/VCFS. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene.	
Molecular Weight:	43 kDa	
NCBI Accession:	NP_542377	
Pathways:	Retinoic Acid Receptor Signaling Pathway, Sensory Perception of Sound, Cellular Response to Molecule of Bacterial Origin, Regulation of Muscle Cell Differentiation	
Application Details		
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays	
Comment:	The tag is located at the C-terminal.	
Restrictions:	For Research Use only	
Handling		
Concentration:	50 μg/mL	
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.	
Storage:	-80 °C	
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.	



Western Blotting

Image 1. Validation with Western Blot