

## Product datasheet for **TP316204M**

### **TBX1 (NM\_080647) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens T-box 1 (TBX1), transcript variant C, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216204 representing NM_080647 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MHFSTVTRDMEAFTASSLSSLLGAAGGFPGAASPGADPYGPREPPPPRYDPCAAAAPGAPGPPPPHAYP FAPAAGAATSAAAPEPGPGASCAAAAKAPVKKNAKVAGVSVQLEMKALWDEFNQLGTEMIVTKAGRRMFP TFQVKLFGMDPMADYMLLMDFVVDKRYRYAFHSSSWLVAGKADPATPGRVHYHPDSPAQGAQWMKQIV SFDKLLKLTNNLLDDNGHIILNSMHRYPQRFHVVYDPRKDSEKYAEENFKTFVFEETRFTAHTAYQNHRI TQLKIASNPFAKGFRCDEDPEDWPRNHRPGALPLMSAFARSNPVASPTQPSGTEKDAAEARREFQRDAGG PAVLGDPAHPPQLLARVLSPLPGAGGAGGLVPLPGAPGGRPSPNPRLRLEAPGASEPLHHHPYKYPAA AYDHYLGAKSRPAPYPLPGLRGHGYHPHAHPHHHHHPVSPAAAAAAAAAAAAAAAAANMYSSAGAAPPGSYD YCPR</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	52.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_542378](#)

Locus ID: 6899

UniProt ID: [O43435](#), [D9ZGG0](#), [O43435-3](#)

RefSeq Size: 2082

Cytogenetics: 22q11.21

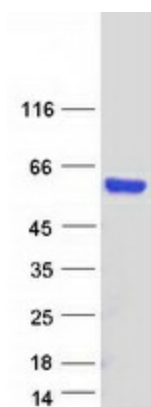
RefSeq ORF: 1482

Synonyms: CAFS; CATCH22; CTHM; DGCR; DGS; DORV; TBX1C; TGA; VCF; VCFS

**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. This gene product shares 98% amino acid sequence identity with the mouse ortholog. DiGeorge syndrome (DGS)/velocardiofacial syndrome (VCFS), 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified TBX1 protein (Cat# [TP316204]). The protein was produced from HEK293T cells transfected with TBX1 cDNA clone (Cat# [RC216204]) using MegaTran 2.0 (Cat# [TT210002]).